# Screw-clamp terminal blocks

### **Polyamide insulated**

#### Feed-through and high-current terminal blocks

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# **CBC Series** with III 94V-0 polyan

# with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and beige RAL 1001 colours
- CESI 08 ATEX 061 U Ex e (Ex) certificate I M2 / II 2 G D
- operating temperature range: -40 ÷ +80 °C • CoC IEC Ex N. CES 09.0002U Ex e II



The design accuracy allows that terminal blocks having different cross-sections can nevertheless guarantee visual uniformity once the rail assembly is made.

#### Easy Bridge System

The cross-connection can be supplied in "standard" sizes, for 2-3-5-10 poles, or alternatively in lengths of 250 mm.













The "Easy Bridge" connection system guarantees the most diversified transversal connecting possibilities, even staggered.



The jumpers can be used to connect in parallel terminal blocks having equal cross-section and the first of the adjoining group of terminal blocks of different size.

- **1-2** After having cut the bar according to the number of poles, insert the cross-connection, in the appropriate groove of the terminal block. At this point, by using the blade of a screwdriver, push down the cross-connection until it reaches its blocking point. The cross connection will be fully insulated and intrinsically IPXXB protected.
- **3-4** After having mounted the cross-connection, the connected poles can be outlined and detected by placing the PTC/SP green strip. This strip is supplied in a standard length of 100 mm and it can be easy cut to the appropriate length with the aid of a cutter.
  - To remove the cross-connection, it is sufficient to remove the PTC/SP strip: insert the blade of the screwdriver in the jumper slot, then lift it up and finally extract it.



SDC mounted



SDC/P mounted



SDC - SDC/P with conductors



### **CBC Series** with UL94V-0 polvamide insulating body

• UL94V-0

function / type

max current (\*)

End sections

rated cross-section

connecting capacity flexible

riaid

rated voltage / rated current / gauge

(Ex e) rated voltage \_\_\_\_ / ~\_\_\_

tightening torque value (test / max)

insulation stripping length

height / width / thickness

height / width / thickness

Permanent cross connection

Switchable cross connection Multiple common bar

Shunting screw and sleeve Coloured partition

Cross connection barrier

End section for modular test plug

Cover for cross-connection

according to IEC 60715 Std.

Test plug socket

Numbering strip Warning plate

Marking tag

End bracket

Mounting rail

Test plug Modular test plug

(intrinsically IPXXB protected once mounted)

Rated current carrying capacity of jumper (same, Ex e version)

Cross-connection identification strip (100 mm)

- · reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multipole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grev RAL 7042 and heige RAL 1001 colours

grey version

beige version

(Ex)i version

**TECHNICAL CHARACTERISTICS** 

max. flexible with ferrule (mm<sup>2</sup>)-ferrule type

rated impulse withstand voltage / pollution degree

rated voltage / rated current / AWG / tightening torque value

**APPROVALS** 

ACCESSORIES

- CESI 08 ATEX 061 U Ex e (Ex) certificate IM2/II2GDoperating temperature range: -40 ÷ +80 °C
- CoC IEC Ex N. CES 09.0002U Ex e II



CBC.2

2.5

 $0,2 \div 4$ 

 $0,2 \div 4$ 

500

9

12 KV / 3

0,4/0,8

52/44/5

60 / 44 / 5

Туре

24 / (21)

PTC/SP

DFII/4

SDC/POL

CNU/8/51

CNU/8/51

(mm<sup>2</sup>)

(mm<sup>2</sup>)

(mm<sup>2</sup>)

UL

(V)

(mm)

(Nm)

grey beige

blue

(A)

red

areen

250 mm

red, green, white

printed or blank

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\_\_\_

on adjacent terminal blocks

conf. to IEC 60947-7-1

\_\_\_ TH/35 7,5 mm 

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PR/3/AC for PR/DIN and PR/3 PR003 PR/3/AS same with slots PR005

3

PR/3/AC for PR/DIN and PR/3 PR003

PR005

PR/3/AS same with slots

PR/3/AC for PR/DIN and PR/3 PR003

PR005

PR/3/AS same with slots

### **CBC Series** with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multipole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and heige RAL 1001 colours • CESI 08 ATEX 061 U Ex e (Ex) certificate
- I M2 / II 2 G D operating temperature range:  $-40 \div +80$  °C
- CoC IEC Ex N. CES 09.0002U Ex e II



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] The <b>/C</b>	<b>P</b> tag indicatao	the grou			PTC jumper co	onfigurations			
	<b>R</b> tag indicates version.	ule grey	SINGLE OR Parallel Extending	POLE Skipping	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIE	R MODE	PARALLEL Skipping	
Valuas	s in brackets are	a referred	•••	• • • •	•••	•••	•••	•	
	Ex e application		•••						
-	erminal block BC.10	Jumper PTC/10	800 (250)	Insulation vol 630 (320)	Itage in the abo	ove configurat 800 (250)	tions (V) 800 (250)	630 (250)	
	BC.16 BC.35	PTC/10 PTC/10	(320) (250)	(320)		(500) (630)		-	
CBC.10/		0004000	CBC.1				BC.35/GR		
<b>CBC.10</b>		CBC10GR	CBC.1	6	No. <b>CBC1</b>	C	BC.35		CBC35GR
<b>CBC.10</b>	Cat. No. (Ex)i	CBC10		Cat. I <b>6 (Ex)i</b>	No. CB	C16	(BC.35 (Ex	Cat. No.	CBC35
020110	Cat. No.	CBI10		Cat.	No. CE	BI16		Cat. No.	CBI35
food through			food three	ush		600	al thursuals		
feed-through 10			feed-thro 25	ugn		50	ed-through		
600 V / 65 A	'21 A (16 mm²) / Bi / 14-6 AWG / <sup>-</sup> /²) / 85 A (16 m	1,9 Nm	600 V / 1	160/22 101 A (25 mr 00 A / 16-3 A mm²) / 114 A	WG / 2,8 Nm	2,5 35 10 60 13 63 12 18 2,5	KV / 3	0-1 AWG /	8,47 Nm
60 / 44 / 10			64 / 47 /				/ 56 / 16		
60 / 44 / 10	KEUR (E			12 us Keur Ween	el 🦷	71	/ 56 / 16	ur (E	
	KEMA Eur ME Enel DV 27/1	x 🏦	64 / 47 /	12 us Keur	el 🦷	71	/ 56 / 16		) 🏝 Cat. No.
<b>Type</b> CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT PTC/10/02 pt PTC/10/03 pt PTC/10/05 pt	T/GR T (Ex)i noles (*) noles (*)	CB061GR CB061 CB1061 PTC1002 PTC1003 PTC1005	64 / 47 / c <b>A</b>	12 US KEMA SECON PT/GR PT PT (Ex)i	el Nazione 27/1	D. Ty GR CB CB PO	/ 56 / 16 ¶Nus K≣ ₩S	rinel V 27/1	Cat. No. CB351GR CB351 CB1351 CB1351 CB1351 DF06 FX06)
<b>Type</b> CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT CT/10/05 pi PTC/10/05 pi PTC/10/10 pi PTC/10/10 pi PTC/10/10 (2 57 / (47)	T/GR T (Ex)i voles (*) voles (*) voles (*)	CB061GR CB061 PTC1002 PTC1003 PTC1005 PTC1005 PTC1000	64 / 47 / c FL CBC.16/ CBC.16/ CBC.16/ CBC.16/ POF/53 (PFX/53)	TI2 US KEMA SECON PT/GR PT (Ex)i	Cat. N CB161 CB161 CB161 CB161 CB161 POF53	GR CB CB CB CB CB CB CB CB CB CB CB CB CB C	/ 56 / 16 <b>A</b> us KE <b>pe</b> <b>c.35/PT/GR</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c.35/PT</b> <b>c</b>	P( (P	CB351GR CB351 CBI351 DF06
CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT PTC/10/02 pi PTC/10/03 pi PTC/10/05 pi PTC/10/10 pi PTC/10/00 (2	T/GR T (Ex)i voles (*) voles (*) voles (*)	CB061GR CB061 CB1061 PTC1002 PTC1003 PTC1005 PTC1010	64 / 47 / <b>C FL</b> <b>Type</b> CBC.16// CBC.16// CBC.16// CBC.16// CBC.16// CBC.16// CBC.16// (SBC.16// CBC.16	TI2 US KEMA SECON PT/GR PT (Ex)i	Cat. N CB161 CB161 CB161 CB161 CB161 POF53	C D. Typ GR CB CB CB CB CB CB CB CB CB CB	/ 56 / 16 <b>SQL us</b> KE <b>PE</b> <b>BC.35/PT/GR</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b>	n) CF (P (P	CB351GR CB351 CBI351 DF06
CRUUS Type CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT PTC/10/02 pr PTC/10/03 pr PTC/10/00 (2 57 / (47) PTC/PP	T/GR T T (Ex)i holes (*) holes (*) holes (*) 25 poles) (*)	CB061GR CB061 CB1061 PTC1002 PTC1003 PTC1005 PTC1000 PTC1000 PTC0990	64 / 47 / <b>C FL</b> <b>Type</b> CBC.16// CBC.16// CBC.16// CBC.16// CBC.16// POF/53 (PFX/53) (same, E) 76 / (76) - POS/53 PMP/05 CPM/53	12 US KEVA PT/GR PT (Ex)i (CPX/53)	er Cat. N CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB161 CB163 CB	C Typ GR C C C C C C C C C C C C C	/ 56 / 16 <b>PL</b> us KE <b>PE</b> BC.35/PT/GR BC.35/PT BC.35/PT BC.35/PT BC.35/PT C.35/PT BC.35	n) CF	CB351GR CB351 CB1351 DF06 FX06) PMP06 PMP06 PM06 (CPX06)
CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT PTC/10/02 p/ PTC/10/03 p/ PTC/10/03 p/ PTC/10/00 (2 57 / (47) PTC/SP	T/GR T (EX)i ioles (*) ioles (*) ioles (*) 25 poles) (*)	CB061GR CB061 CB1061 PTC1002 PTC1003 PTC1005 PTC1010 PTC1000 PTC0990	64 / 47 / C SSA Type CBC.16// CB	12 US KEVA PT/GR PT (Ex)i (CPX/53)	er Cat. N CB161 CD160 CPM53 CPM53 CPM53 CPM50 CP	CSA CALCARA	/ 56 / 16 <b>PL</b> us KE <b>PE</b> ac.35/PT/GR ac.35/PT (Ex)i bF/06 fX/06 arme, Ex e version arme, Ex e version bF/06 cx/06 arme, Ex e version arme, Ex e version bF/06 cy/0	(PC) (P) (P) (P)	CB351GR CB351 CB1351 DF06 FX06) PMP06 PM06 (CPX06) DU05 DF700 PD002
C C C US Type CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT CBC.2-10/PT PTC/10/02 (P PTC/10/03 (P) PTC/10/00 (P) PTC/10/00 (P) S7 / (47) PTC/SP - - DFU/4 DFU/4 DFU/800 - D - - - - - - - - - - - - -	T/GR T T (Ex)i oles (*) oles (*) oles (*) 25 poles) (*) DFM/900	CB061GR CB061 PTC1002 PTC1003 PTC1005 PTC1000 PTC0990 PTC0990	64 / 47 / c SSA Type CBC.16// CBC.16// CBC.16// CBC.16// CBC.16// CBC.16// CBC.16// POF/53 (PFX/53) FX/53 PMP/05 CPM/53 DFU/4 DFW/700 PSD/B SDD/2 - TUM/16 - PRP/7 CNU/8/5	12 us KEMA PT/GR PT (Ex)i (CPX/53) (CPX/53) on 3 and 4 1 R/DIN and PR/3 R/3 only	er Cat. N CB161 CD100 CPM53 (CD002 DD002 CD00	Carlor Ca	/ 56 / 16 <b>Solution</b> <b>Pe</b> <b>BC.35/PT/GR</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b> <b>BC.35/PT</b>	P((P (P (P )) CF	CB351GR CB351 CBI351 DF06 FX06) PMP06 M06 (CPX06) DU05 DF700 PD002 DD002

#### **TECHNICAL CHARACTERISTICS**

grey version

beige version

(Ex)i version

function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm <sup>2</sup> )-fer	rule type
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tigl	htening torque value UL
max current (*)	
(Ex e) rated voltage 💶 / 🦳	(V)
rated impulse withstand voltage / pollut	tion degree
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	<b> TH/35</b> 7,5 mm
height / width / thickness	<b>└─</b> ∫ TH/35 15 mm
-	

#### **APPROVALS**

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (*): intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (same, Ex e version	i) (A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
, ,	een, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate on adjacent termi	nal blocks
Cover for cross-connection	
	d or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	
	~



# **CBR Series** with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



#### The /GR tag indicates the grey colour version.

grey versi	ion	1
beige vers	ion	(
(Ex)i vers	ion	
TECHNICAL CHARA	CTERISTICS	
function / type rated cross-section	(mm²)	1
connecting capacity flexible rigid max. flexible with ferrule (mm <sup>2</sup> )-fe	(mm²) (mm²)	
rated voltage / rated current / gauge rated voltage / rated current / AWG / tig (Ex e) rated voltage /r		(
rated impulse withstand voltage / pollu	tion degree	-
insulation stripping length tightening torque value (test / max)	(mm) (Nm)	8
height / width / thickness height / width / thickness	〜 TH/35 7,5 mm し TH/35 15 mm	: (
height / width / thickness	G32	Ę

#### **APPROVALS**

ACCESSORIES
End sections grey beige blue
Permanent cross connection
Rated current carrying capacity of jumper (A)
Cross-connection identification strip (100 mm) green
Switchable cross connection
Multiple common bar 250 mm
Shunting screw and sleeve
Coloured partition red, green, white
Cross connection barrier red
Test plug socket
Test plug
Modular test plug
End section for modular test plug
Numbering strip
Warning plate on adjacent terminal blocks
Cover for cross-connection
Marking tag printed or blank
End bracket
Mounting rail Cu according to IEC 60715 Std.

CBR.2/GR				
	Cat. No	CR110GR		
CBR.2				
	Cat. No	CR110		
feed-through (2 i	nputs / 2	outputs)		
2,5		. ,		
0,2 ÷ 4				
0,2 ÷ 4				
2,5 - WP25/14				
800 V / 24 A / A	-			
600 V / 15 A / 20	D-14 AW(	G / 5,5 lb.in		
-				
8 KV / 3				
8 (upper) / 14,5 (	(lower)			
0,4 / 0,8				
52 / 43 / 5				
60 / 43 / 5				
56 / 43 / 5				

Туре	Cat. No.
CBR/PT/GR CBR/PT	CR111GR CR111
PM/25/2 poles PM/25/3 poles PM/25/5 poles PM/25/10 poles	PM252 PM253 PM255 PM250
24	
-	
-	
PMP/25	PMP25
CPM/25	CPM25
DFU/4	DU04
-	
PSD/K	PD011
SDD/1	DD001
-	
-	
-	
-	

c SU us KEWA

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PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
BT/DIN/PO	BT001
PR/DIN/AC for PR/DIN and PR/3	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

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# **GPA Series power** terminal blocks

#### with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections (GPA.70)
- standard version available in grey RAL 7042 and beige RAL 1001 colours; panel-mount version available in beige RAL 1001 colour

The /GR tag indicates the grey colour version.

grey versi	ion
beige vers	ion
grey panel-mou	nt version
beige panel-mou	nt version
TECHNICAL CHARA	CTERISTICS
function / type rated cross-section connecting capacity	(mm²)
flexible rigid	(mm²) (mm²)
bars and/or cable lugs rated voltage / rated current / gauge rated voltage / rated current / AWG / tig	
rated impulse withstand voltage / pollu insulation stripping length tightening torque value - bar (test / reco	(mm)
tightening torque value - cable (test / re height / width / thickness	commended) (Nm) TH/35 7,5 mm
height / width / thickness height / width / thickness height / width (fixing distance between centres	G32 () / thickness (panel mount)

#### **APPROVALS**

ACCESSO	RIES
End sections	grey beige
Permanent cross connection	
Rated current carrying capacity of ju	umper (A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 sloped for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	



Cat. No. **GA400** 

Cat. No. **GF400** 

Cat. No.

Cat. No.

**GPA.70/GR** 

GPA.70/FIX/GR

GPA.70/FIX

1000 V / 192 A / B11

str. / 79,5 lb.in

70 / 91 / 20,5 78 / 91 / 20,5

75 / 91 / 20,5

C SLUS

POF/70 (2 poles)

Туре

192 **PMP/08** 

CPM/70

PSD/C

SDD/2

**PRP/08** 

ACI121213

ACI121024

CNU/8/51

BTU for PR/DIN and PR/3

CDA/BT for PR/DIN only

BT/3-BTO for PR/3 only

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/DIN/AC of steel

PR/3/AC of steel

DF/GPA/70

75 / 102 (88) / 20,5

12 KV / 3 25

1000 V / 215 A / 8 AWG str. ÷ 4/0 AV

6 / 9 (Allen screw, 4 mm wrench)

KEMA

ME Terna ME Enel LV 27/1 M Distribuzione

PR004

PR002

PR003

PR005

feed-through

10 ÷ 95 10 ÷ 95

70

**GPA.70** 





GA400GR	GPA.95/GR Cat. No	. GA100GR
GA400	GPA.95 Cat. No	. <b>GA100</b>
GF400GR	GPA.95/FIX/GR Cat. No	
	GPA.95/FIX	
. <b>GF400</b>	Cat. No	). <b>GF100</b>
	feed-through 95	
	10 ÷ 95 10 ÷ 120	
str. ÷ 4/0 AWG	- 1000 V / 232 A / B12 1000 V / 232 A / 2 AWG MCM str. / 90 lb.in. 12 KV / 3 30	sol./str. ÷ 250
ranah	-	(ranah)
rench)	6 / 9 (Allen screw, 4 mm v 87 / 98 / 26	vrencn)
	95 / 98 / 26	
	91 / 98 / 26	
	91 / 111 (97) / 26	
	CRUS KEM	
	Туре	Cat. No.
Cat. No.	IJPC	
Cat. No.	-	
<b>Cat. No.</b> P0F70	- - -	
P0F70	- - - -	
POF70 PMP08	- - - - -	
POF70 PMP08 CPM70	- - - -	
POF70 PMP08	- - - - -	
P0F70 PMP08 CPM70	· · · · · · · · · · · · · ·	
P0F70 PMP08 CPM70 DU070	- - - - - - - - - - - - - - - - - - -	
P0F70 PMP08 CPM70 DU070 PD003 DD002	- - - - - - - - - - -	
P0F70 PMP08 CPM70 DU070 PD003 DD002 PRP08		
POF70 PMP08 CPM70 DU070 PD003 DD002 PRP08 Z121213	- - - - - - - - - - - - - - - - - - -	Z121213 7121004
P0F70 PMP08 CPM70 DU070 PD003 DD002 PRP08		Z121213 Z121024 NU0851
P0F70 PMP08 CPM70 DU070 PD003 DD002 PRP08 Z121213 Z121024	- - - - - - - - - - - - - - - - - - -	Z121024

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/3/AC of steel

PR004

PR002

PR003

PR005

version suited to be used in (Ex)i "intrinsic safety" circuits (RAL 5015 blue colour) GPA.70 (Ex)i Cat. No. GA410 GPA.95 (Ex)i Cat. No. GA110

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# **GPA Series power** terminal blocks

### with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections

grey version

beige version

• available in beige RAL 1001 colour



CNU/8/51

BTU for PR/DIN and PR/3

CDA/BT for PR/DIN only

BT/3-BTO for PR/3 only

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/DIN/AC of steel

PR/3/AC of steel

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ALL SALE



		- Kall
GPA.150/GR	.t. No. <b>GA200GR</b>	GPA.240/GR Cat
GPA.150	t. No. <b>GA200</b>	GPA.240 Cat
GPA.150/FIX	<b>/GR</b> .t. No. <b>GF200GR</b>	GPA.240/FIX
GPA.150/FIX		GPA.240/FIX Cat
feed-through 150		feed-through 240
50 ÷ 150 50 ÷ 185		95 ÷ 240 50 ÷ 300
- 1000 V / 309 A / B1 1000 V / 309 A / 1/0 MCM str. / 142 lb.in 12 KV / 3 35	0 AWG str ÷ 350	- 1000 V / 415 A / B10 1000 V / 415 A / 3/0 MCM str. / 300 lb.in. 12 KV / 3 40
-		-
10 / 15 (Allen screw, 99 / 108 / 31 106 / 108 / 31 103 / 108 / 31 94 / 122 (106) / 31	5 mm wrench)	14 / 21 (Allen screw, 120 / 119 / 37 128 / 119 / 37 124 / 119 / 37 115 / 134 (118) / 37 <b>c Pai</b> us
デビ Terna 美 LV 27/1	DV 27/1	うき Terna 当 LV 27/1 当
Туре	Cat. No.	Туре
-		-
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-		-
-		-
-		-
-		-
-		-
-		
ACI121213 ACI121024 CNU/8/51	Z121213 Z121024 NU0851	ACI121213 ACI121024 CNU/8/51

	oun	INO.	GA300GR
GPA.240	Cat	No	04200
GPA.240/F		No.	GA300
	Cat.		GF300GR
GPA.240/F		No	05200
	Ual.	No.	GF300
feed-through			
240			
95 ÷ 240 50 ÷ 300			
- 1000 V / 415 A / 1000 V / 415 A / MCM str. / 300 lb 12 KV / 3 40	3/0	AWG	str. ÷ 600
-	0		
14 / 21 (Allen scre 120 / 119 / 37	eW, 6	mm	wrencn)
128 / 119 / 37			
124 / 119 / 37	/ 07		
115 / 134 (118) /	_	- M A	
c <b>FL</b> us	K	M A U R	æ
光 Terna	濼	Ene	/ 
	~	DV 2	BR
Tuno			Cat No.
Туре			Cat. No.
Type -			Cat. No.
<b>Type</b> - -			Cat. No.
<b>Type</b>			Cat. No.
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Type			Cat. No.
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Type			Cat. No.
- - - - - - - - - - - - - - -			Cat. No.
-			Cat. No.
- - - - - - - - - - - - - - - - - - -			Z121213 Z121024
- - - - - - - - - - - - - - - - - - -			Z121213
	l only 3 only		Z121213 Z121024 NU0851 BT005 CD003 BT003-BT007
	l only 3 only I vith sl	/ ots	Z121213 Z121024 NU0851 BT005 CD003
	l only 3 only vith sl inium	/ ots	Z121213 Z121024 NU0851 BT005 CD003 BT003-BT007 PR001 PR004

grey panel-mount version beige panel-mount version **TECHNICAL CHARACTERISTICS** function / type rated cross-section (mm<sup>2</sup>) connecting capacity flexible (mm<sup>2</sup>) rigid (mm<sup>2</sup>) bars and/or cable lugs rated voltage / rated current / gauge conf. to IEC 60947-7-1 rated voltage / rated current / AWG / tightening torque value UL rated impulse withstand voltage / pollution degree insulation stripping length (mm) tightening torque value - bar (test / recommended) (Nm) tightening torque value - cable (test / recommended) (Nm) height / width / thickness **----- TH/35** 7,5 mm height / width / thickness **└─** TH/35 15 mm height / width / thickness G32

#### **APPROVALS**

height / width (fixing distance between centres) / thickness (panel mount)

ACCESSO	RIES
End sections	grey beige
Permanent cross connection	, i i i i i i i i i i i i i i i i i i i
Rated current carrying capacity of ju	imper (A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 sloped for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

7

NU0851

BT005

CD003

PR001

PR004

PR002

PR003

PR005

BT003-BT007



# **Earth terminal** blocks

### with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series

version to onto PR/3	be mounted rail	~

#### version to be mounted onto PR/DIN rail

#### **TECHNICAL CHARACTERISTICS**

function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm <sup>2</sup> )-ferrule	e type
tensione nom. / corrente nom. / calibro	sec. IEC 60947-7-2
rated voltage / rated current / AWG	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution	n degree
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	<b> TH/35</b> 7,5 mm
height / width / thickness	<b>└─</b> ∫ TH/35 15 mm
height / width / thickness	<b>G</b> 32

#### **APPROVALS**

ACCESSORIES	
End sections	
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	



Cat. No.

Cat. No.

**TEC.6/0** 

TEC.6/D

6

0,5 ÷ 10

0,5 ÷ 10

6 - WP60/20

- / 41 A / A5

12 KV / 3

0,8/1,4

52/44/8

60 / 44 / 8

53 / 44 / 8

10

~

earth terminal block

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**TEC.10/0** 

**TEC.10/D** 

earth terminal block

10

1,5 ÷ 16

1,5 ÷ 16 10 - WP100/21

- / 57 A / B6

12 KV / 3

1,2/1,9

52 / 44 / 10

60 / 44 / 10

53 / 44 / 10

12

Cat. No.

Cat. No.

T0510

**TE510** 

T0120

**TE120** 





<b>TEC.16/0</b> Cat. No. <b>T0220</b>
<b>TEC.16/D</b> Cat. No. <b>TE220</b>
earth terminal block
16
1,5 ÷ 25 1,5 ÷ 25 16 - WP160/22 - / 76 A / B7
-
12 KV / 3 18
56 / 47 / 12 64 / 47 / 12 57 / 47 / 12

UL, cUL, ATEX Ex e and IEC Ex pending

Туре	Cat. No.	Туре
-		-
CNU/8/51	NU0851	CNU/8/5 CSC
-		-
BTU for PR/DIN and PR/3	BT005	BTU for P
BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BT
BT/DIN/PO for PR/DIN only	BT001	BT/DIN/I
PR/DIN/AC of steel	PR001	PR/DIN/
PR/3/AS same with slots	PR004	PR/3/AS
PR/DIN/AL of aluminium	PR002	PR/DIN/
PR/3/AC of steel	PR003	PR/3/AC
PR/3/AS same with slots	PR005	PR/3/AS

KEMA EUR
UL, cUL, ATEX $\operatorname{Ex}$ e and IEC $\operatorname{Ex}$ pending
rpe Cat. No.

	out noi	.,160
		-
U/8/51 C	NU0851 CS	CNU/8/51 CSC
		-
<b>U</b> for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3
/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only B
/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only
/DIN/AC of steel	PR001	PR/DIN/AC of steel
/3/AS same with slots	PR004	PR/3/AS same with slots
/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium
/3/AC of steel	PR003	PR/3/AC of steel
/3/AS same with slots	PR005	PR/3/AS same with slots

UL, cUL, ATEX Ex e and IEC Ex pending

Cat No

Type	6al. NO.
-	
CNU/8/51 CSC	NU0851 CS
-	
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/3/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE				
Rail profile	Material	Equivalent E-cu cross-section mm <sup>2</sup>	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel Copper Aluminium	10 25 16	1,2 3 1,92	- 101 76
G32-type rail IEC 60715/G32	Steel Copper Aluminium	35 120 70	4,2 14,4 8,4	- 269 192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel Copper Aluminium	16 50 35	1,92 6 4,2	- 150 125
"Top hat" rail IEC 60715/TH 35 - 15	Steel Copper Aluminium	50 150 95	6 18 11,4	- 309 232

# cabur

# **Earth terminal** blocks

#### with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases

• same profile and dimensions of the corresponding terminals of the CBC and GPA Series

version to be mounted onto PR/3 rail	<b>TEC.35/0</b> Cat
version to be mounted onto PR/DIN rail	TEC.35/D Cat
TECHNICAL CHARACTERISTICS	
function / type	earth terminal block

function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm <sup>2</sup> )-ferrul	e type
tensione nom. / corrente nom. / calibro	sec. IEC 60947-7-2
rated voltage / rated current / AWG	UL
(Ex e) rated voltage 🗔 / 🦳	(V)
rated impulse withstand voltage / pollution	n degree
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm روید میں
height / width / thickness	└── TH/35 15 mm
height / width / thickness	<b>G</b> 32
-	

#### **APPROVALS**

ACCESSORIES	5
End sections	
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	





Cat. No.

Cat. No.

35

2,5 ÷ 50

 $2,5 \div 50$ 

12 KV / 3

18

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2,5/5

63 / 56 / 16

71 / 56 / 16

64 / 56 / 16

- / 125 A / B9

**TE320** 



**TEC.70/D** Cat. No. **TE820** earth terminal block 71 10 ÷ 95 10 ÷ 95 - / 192 A / B11 12 KV / 3 25 6 / 9 (vite cava esag. chiave 4 mm) 74 / 70 / 20,5 81,5 / 70 / 20,5 75 / 70 / 20,5

Kema

UL, cUL, ATEX Ex e and IEC Ex pending

T0810

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UL, cUL, ATEX Ex e and IEC Ex pending

| Туре                      | Cat. No.     | Type Cat. No.                      |
|---------------------------|--------------|------------------------------------|
| -                         |              | -                                  |
| CNU/8/51<br>CSC           | NU0851<br>CS | CNU/8/51 NU0851<br>CSC CS          |
| -                         |              | -                                  |
| BTU for PR/DIN and PR/3   | BT005        | BTU for PR/DIN and PR/3 BT005      |
| BT/3-BTO for PR/3 only    | BT003-BT007  | BT/3-BTO for PR/3 only BT003-BT007 |
| BT/DIN/PO for PR/DIN only | BT001        | BT/DIN/PO for PR/DIN only BT001    |
| PR/DIN/AC of steel        | PR001        | PR/DIN/AC of steel PR001           |
| PR/3/AS same with slots   | PR004        | PR/3/AS same with slots PR004      |
| PR/DIN/AL of aluminium    | PR002        | PR/DIN/AL of aluminium PR002       |
| PR/3/AC of steel          | PR003        | PR/3/AC of steel PR003             |
| PR/3/AS same with slots   | PR005        | PR/3/AS same with slots PR005      |

| MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE |                              |                                                     |                                           |                                               |  |
|---------------------------------------------------------------------|------------------------------|-----------------------------------------------------|-------------------------------------------|-----------------------------------------------|--|
| Rail profile                                                        | Material                     | Equivalent E-cu<br>cross-section<br>mm <sup>2</sup> | Short-time withstand current<br>1 s<br>kA | Thermal rated current<br>of a PEN busbar<br>A |  |
| "Top hat" rail<br>IEC 60715/TH 15 - 5,5                             | Steel<br>Copper<br>Aluminium | 10<br>25<br>16                                      | 1,2<br>3<br>1,92                          | -<br>101<br>76                                |  |
| G32-type rail<br>IEC 60715/G32                                      | Steel<br>Copper<br>Aluminium | 35<br>120<br>70                                     | 4,2<br>14,4<br>8,4                        | -<br>269<br>192                               |  |
| "Top hat" rail<br>IEC 60715/TH 35 - 7,5                             | Steel<br>Copper<br>Aluminium | 16<br>50<br>35                                      | 1,92<br>6<br>4,2                          | -<br>150<br>125                               |  |
| "Top hat" rail<br>IEC 60715/TH 35 - 15                              | Steel<br>Copper<br>Aluminium | 50<br>150<br>95                                     | 6<br>18<br>11,4                           | -<br>309<br>232                               |  |



12 13 14 15

51 52 53 54

26 27

# **CBD Series**

#### Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- CESI 01 ATEX 090 U Ex e (Ex) certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions

The CBD Series consists of eight sizes, featuring:

- reduced overall dimension
- high connecting capacity
- superior effective current carrying capacity, with respect to the prescribed reference values
- very low contact resistance of the resulting connection
- materials of excellent quality and, consequently, maximum reliability throughout time
- very practical usage

Cabur has always designated every product through a type reference, consisting of letters (usually 3) and a number, with an interposing full-stop.

With this number the **rated cross-section** of the terminal block itself has always been defined;

this value, as the reference Standard states "...is a value of connectable conductor cross-section, stated by the manufacturer, and to which certain thermal, mechanical and electrical requirements are referred".

Nevertheless, the application field of the terminal block is much wider and is defined by its **connecting capacity**, in other words the range of conductor sizes, both rigid and flexible, minimum and maximum, that a terminal block can connect, fully respecting all the parameters given by the reference standards.

In the following table, in fact, the "usual" type reference of every terminal block has been integrated with the addition, after the existing digits which retain the indication of the rated cross-section, of another numerical value (written in smaller characters, in red and separated by the digits indicating the rated cross-section by a /). This second group of digits represents, in mm<sup>2</sup>, the **maximum size of the flexible conductor that can effectively be connected to the terminal block**. If rigid conductors (solid or stranded) are to be connected, reference must be always made to the indications given by the relevant technical characteristics of each product and under "connecting capacity"; in most cases in fact the size of the maximum rigid conductor is even greater.

By stating the wide connecting capacity feature, with the occasion some sizes among the CBD Series have been reconsidered; firmly maintaining the eight rated cross-sections, the existing types CBD.25 and CBD.35 have been reviewed and, after the actions and the verifications which have taken place, re-evaluated as **CBD.35** e **CBD.50**; the latter rated cross-section up to this point, has never considered within Cabur product range, but has nevertheless wide use.

| Туре      | Rated cross section | Flexible con | ductor (mm²) | Rigid condu | uctor (mm²) | Gauge | Max.        |
|-----------|---------------------|--------------|--------------|-------------|-------------|-------|-------------|
|           | (mm²)               | min.         | max.         | min.        | max.        |       | current (A) |
| CBD.2/4   | 2,5                 | 0,5          | 4            | 0,5         | 4           | A3    | 29          |
| CBD.4/6   | 4                   | 0,5          | 6            | 0,5         | 6           | A4    | 40          |
| CBD.6/10  | 6                   | 0,5          | 10           | 0,5         | 10          | A5    | 58          |
| CBD.10/16 | 10                  | 0,5          | 16           | 0,5         | 16          | B6    | 77          |
| CBD.16/25 | 16                  | 0,5          | 25           | 0,5         | 25          | B7    | 104         |
| CBD.35/35 | 35                  | 0,5          | 35           | 0,5         | 50          | B8    | 147         |
| CBD.50/50 | 50                  | 1,5          | 50           | 1,0         | 70          | B9    | 180         |
| CBD.70/95 | 70                  | 1,5          | 95           | 1,0         | 95          | B11   | 250         |





#### type of connection:

by means of screws, on both sides, indirect and anti-loosening. The tightening screws are accessible only with an adequate screwdriver and the particular shape of the screws makes it impossible to lose them. The tightening process by means of screws ensures the best mechanical performance and efficiency of the current flow. It is suitable for the connection, with or without preparation of conductors of all cross-sections. The tightening and un-tightening operations are extremely simple and they can be carried out with tools, such as screwdrivers, which are always at hand. Its is however important to use an appropriately sized screwdriver in order to avoid the damaging either of the screw itself or the insulating body.

#### conducting body:

of the tube type entirely of a copper and zinc alloy and treated with nickel**plating**: the characteristics of the material used and the manufacturing methods are

such as to avoid the phenomenon of "seasoning cracking".

#### tightening reliability:

special orthogonal grooves on the bottom of the conducting body and on the lower surface of the pressure plates, ensure under all conditions the perfect electrical contact with the conductors and an efficient mechanical clamp. The grip is made particularly effective by the spring function of the pressure plate, which in a certain way and under the pushing action of the screws, tends to flex; in this way a reaction to the head of the screw itself, is exerted, resisting unscrewing, even under dynamic stress (vibrations).

#### ease of insertion:

insertion of the conductor into the terminal block is made easy by:

- sloping entrance planes on the insulating body
- the rounded edges of the pressure plate
- an appropriately sized entrance hole, with reference to the diameter of the maximum permitted conductor. The depth into which the conductor can be inserted is limited by a partition in the insulating body.

#### other functions:

besides their main as feed-through function, CBD terminal blocks are designed in such a way as to carry out other functions. In fact, by means of a prearranged threaded hole on the upper side of the conducting body it is possible:

- to create a cross-connection (either permanent or switchable) between two adjoining terminal blocks
- to create a multiple common bar connection between several adjoining terminal blocks
- to insert a socket for a test plug
- to insert a composable test plug for multiple signal shunting.

marking: all CBD terminal blocks can be marked on both sides by using CNU/8, SNZ or CSC marking tags (the latter system allows the composition of alphanumeric marking up to a maximum of 6 characters (an ADR/6 adapter though is required if more than 4 characters are to be inserted on each side).

mounting: CBD series polyamide terminal blocks are designed to be mounted on two types of rail, "G32" or "TH/35" (acc. to the IEC 60715), with obvious advantages towards supply, management and use in general of the product.







SNZ marking

**CSC** marking



TH/35-7.5 rail





11



"G 32" rail





12 13 14

# **CBD Series**

#### Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- **CESI 01 ATEX 090 U** Ex e I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions

# Accessories

- **1** End section
- **2** Permanent cross connection
- Pre-assembled cross connection
- **4** Switchable cross connection
- **(5)** Multiple cross connection
- **6** Shunting screw and sleeve
- **7** Coloured partition
- **(B)** Cross connection barrier
- 9 Test plug socket
- 10 Test plug
- 1 Modular test plug
- 12 Warning plate
- **(B)** Cross connection cover
- Marking tag
- **(b)** End bracket
- (6) Mounting rail
- 1 Numbering strip
- 18 Tag adapter



51 52 53

21

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Various accessories (the picture shows those specific to the CBD series, some of which are also used for other models)



### **CBD Series** with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 01 ATEX 090 U** Ex e I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour) versions

beige version

#### (Ex)i version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                          |
|--------------------------------------------------|--------------------------|
| rated cross-section                              | (mm²)                    |
| connecting capacity                              |                          |
| flexible                                         | (mm²)                    |
| rigid                                            | (mm²)                    |
| max. flexible with ferrule (mm <sup>2</sup> )-fe | errule type              |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1   |
| rated voltage / rated current / AWG / tig        | phtening torque value UL |
| (Ex e) rated voltage 🗔 / 🦳                       | (V)                      |
| rated impulse withstand voltage / pollu          | ution degree             |
| insulation stripping length                      | (mm)                     |
| tightening torque value (test / max)             | (Nm)                     |
| height / width / thickness                       | TH/35 7,5 mm ريم         |
| height / width / thickness                       | <b>└─</b> ∫ TH/35 15 mm  |
| height / width / thickness                       | <b>G</b> 32              |
|                                                  |                          |

#### **APPROVALS**

| ACCESS                                                                   | ORIES                       |
|--------------------------------------------------------------------------|-----------------------------|
| End sections                                                             | beige<br>blue               |
| Permanent cross connection                                               |                             |
| Rated current carrying capacity of jumper<br>Switchable cross connection | r (same, Ex e version) (A)  |
| Multiple common bar                                                      | 250 mm                      |
| Shunting screw and sleeve (same                                          |                             |
| Coloured partition                                                       | red, green, white           |
| Cross connection barrier                                                 | red                         |
| Test plug socket                                                         |                             |
| Test plug                                                                |                             |
| Modular test plug                                                        |                             |
| End section for modular test plug                                        |                             |
| Numbering strip                                                          |                             |
| Warning plate                                                            | on adjacent terminal blocks |
| Cover for cross-connection                                               |                             |
| Marking tag                                                              | printed or blank            |
| End bracket                                                              |                             |
| Mounting rail according to IEC 60715 Std.                                |                             |
|                                                                          | ~r                          |
| Screening lug                                                            |                             |



(\*): 25 A factory wiring only

| CBD.2                               | Cat. No.                 | CB110     |
|-------------------------------------|--------------------------|-----------|
| CBD.2 (E                            | <b>x)i</b><br>Cat. No.   | CBX12     |
|                                     |                          |           |
| feed-through<br>2,5                 |                          |           |
| 0,5 ÷ 4<br>0,5 ÷ 4<br>2,5 - WP25/14 |                          |           |
|                                     | ′ A3<br>/ 20-12 AWG / 5  | i,5 lb.in |
| 500 V / 630 V<br>8 KV / 3           |                          |           |
| 13                                  |                          |           |
| 0,4 / 0,8<br>47 / 40,5 / 5,5        |                          |           |
| 55 / 40,5 / 5,5                     |                          |           |
|                                     | KEC                      | JA (Ex)   |
| 10 Terna                            | Distribuzione<br>DV 27/1 | _ Ŭ       |



| CBD.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0-+ 14-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/2 poles<br>PM/40/5 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFU/4<br>DFU/4<br>SDD/1<br>SDD/6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/5 poles<br>PM/40/5 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFM/600<br>PSD/A<br>SDD/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                   |
| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/2 poles<br>PM/40/5 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFU/4<br>DFU/60<br>PSD/A<br>SDD/1<br>SDD/6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                   |
| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/3 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFM/600<br>PSD/A<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                   |
| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/5 poles<br>PM/40/5 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFM/600<br>PSD/A<br>SDD/1<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/6<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1<br>SDD/1 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| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/3 poles<br>PM/40/5 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFU/4<br>CPM/12 (CPX<br>DFU/4<br>SDD/1<br>SDD/6<br>SD6/PT<br>-<br>TQM/12 su 3 et<br>-<br>PRP/6<br>CNU/8/51<br>BTU for PR/DIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                   |
| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/3 poles<br>PM/40/5 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFU/4<br>CPM/12 (CPX<br>DFU/4<br>SDD/1<br>SDD/6<br>SD6/PT<br>-<br>TQM/12 su 3 et<br>-<br>PRP/6<br>CNU/8/51<br>BTU for PR/DIN<br>BT/DIN/PO for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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BT001         CD05 |
| Type<br>CB4/6/PT<br>CB4/6/PT (Ex<br>PM/40/2 poles<br>PM/40/3 poles<br>PM/40/5 poles<br>PM/40/10 pole<br>32 / (32)<br>POS/42<br>PMP/42<br>CPM/12 (CPX<br>DFU/4<br>DFU/4<br>CPM/12 (CPX<br>DFU/4<br>SDD/1<br>SDD/6<br>SD6/PT<br>-<br>TQM/12 su 3 et<br>-<br>PRP/6<br>CNU/8/51<br>BTU for PR/DIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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      | BR         BR           q         CB241           CB2421         CB225           (ed) PM402         PM402           (ed) PM405         PM4040           POS42         PMP42           PMP42         PMP42           PM011         DU001           DD001         DD001           DD006         DD001           DTM12         CTM12           PRP06         NU0851           BT005         State                                                                                                             |

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/3/AC of steel

CBD/SH (\*)

PR004

PR002

PR003

PR005

CB009

CBD/SH (\*)

CB009

(\*\*): 32 A factory wiring only



(\*\*\*) if shielded cables are to be connected, when using CB/SH screening lug, the rated voltage is reduced to 200 V

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|                                                                                                                                                                                                                                                                                             | Cat. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CB340                                                                                                                                                                                |
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| CBD.6 (Ex                                                                                                                                                                                                                                                                                   | <b>x)i</b><br>Cat. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CBX34                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                      |
| feed-through<br>6                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                      |
| 0,5 ÷ 10<br>0,5 ÷ 10<br>6 - WP60/20<br>800 V / 41 A /<br>600 V / 50 A /<br>500 V / 630 V<br>8 KV / 3<br>14<br>0,8 / 1,4<br>52 / 44 / 8<br>60 / 44 / 8                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13,3 lb.in.                                                                                                                                                                          |
| 56 / 44 / 8                                                                                                                                                                                                                                                                                 | ана III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                      |
| c The us                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                      |
| デモTerna<br>LV 27/1                                                                                                                                                                                                                                                                          | Enel<br>DV 27/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ւ Մի                                                                                                                                                                                 |
| IE                                                                                                                                                                                                                                                                                          | EC Ex pending                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                                                                                                                                    |
| Туре                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cat. No.                                                                                                                                                                             |
| CB4/6/PT<br>CB4/6/PT (Ex)                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CB241<br>CBX25                                                                                                                                                                       |
| PM/60/2 poles<br>PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles                                                                                                                                                                                                                           | (pre-assemble<br>(pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ed) PM603<br>ed) PM605                                                                                                                                                               |
| PM/60/3 poles PM/60/5 poles                                                                                                                                                                                                                                                                 | (pre-assemble<br>(pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ed) PM603<br>ed) PM605                                                                                                                                                               |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13                                                                                                                                                                                                           | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed) PM603<br>ed) PM605<br>ed) PM610<br>POS93<br>PMP13                                                                                                                                |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/                                                                                                                                                                                           | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed) PM603<br>ed) PM605<br>ed) PM610<br>POS93<br>PMP13<br>PM83 (CPX83)                                                                                                                |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13                                                                                                                                                                                                           | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed) PM603<br>ed) PM605<br>ed) PM610<br>POS93<br>PMP13                                                                                                                                |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4                                                                                                                                                                                  | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed) PM603<br>ed) PM605<br>ed) PM610<br>POS93<br>PMP13<br>PM83 (CPX83)<br>DU04                                                                                                        |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFM/600                                                                                                                                                                       | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed) PM603<br>ed) PM605<br>ed) PM610<br>POS93<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600                                                                                               |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFW/600<br>PSD/N                                                                                                                                                              | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed PM603<br>ed PM605<br>ed PM605<br>pMP13<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013                                                                                         |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFW/600<br>PSD/N                                                                                                                                                              | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed PM603<br>ed PM605<br>ed PM605<br>pMP13<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013                                                                                         |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFW/600<br>PSD/N                                                                                                                                                              | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed PM603<br>ed PM605<br>ed PM605<br>pMP13<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013                                                                                         |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFU/4<br>DFU/600<br>PSD/N<br>SDD/1                                                                                                                                            | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed PM603<br>ed PM605<br>ed PM605<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013<br>DD001                                                                                         |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFM/600<br>PSD/N<br>SDD/1<br>-<br>-<br>-<br>TTM/15 su 3<br>TQM/15 su 4<br>PRP/7                                                                                               | (pre-assemble<br>(pre-assemble<br>s (pre-assemble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed PM603<br>ed PM605<br>ed PM605<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013<br>DD001<br>TTM15<br>TQM15<br>PRP07                                                              |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFM/600<br>PSD/N<br>SDD/1<br>-<br>-<br>-<br>TTM/15 su 3<br>TQM/15 su 4<br>PRP/7<br>CNU/8/51                                                                                   | (pre-assemblik<br>(pre-assemblik<br>s (pre-assemblik<br><b>/83)</b> C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ed PM603<br>ed PM605<br>ed PM610<br>POS93<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013<br>DD001<br>TTM15<br>TQM15<br>PRP07<br>NU0851                                           |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFM/600<br>PSD/N<br>SDD/1<br>-<br>-<br>-<br>TTM/15 su 3<br>TQM/15 su 4<br>PRP/7<br>CNU/8/51<br>BTU for PR/DIN 5                                                               | (pre-assemble<br>(pre-assemble<br>s (pre-assemble<br>/83) C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ed PM603<br>ed PM605<br>ed PM605<br>PM913<br>PM93 (CPX83)<br>DU04<br>DF600<br>PD013<br>DD001<br>TTM15<br>TQM15<br>PRP07<br>NU0851<br>BT005                                           |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFU/4<br>DFU/4<br>DFU/600<br>PSD/N<br>SDD/1<br>-<br>-<br>-<br>TTM/15 su 3<br>TQM/15 su 4<br>PRP/7<br>CNU/8/51<br>BTU for PR/DIN18<br>BT/JEN/PO for<br>BT/3-BT0 for F0         | (pre-assemble<br>(pre-assemble<br>s (pre-assemble<br>(83) C<br>(83) C<br>(83) C<br>(83) C<br>(30) C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ed PM603<br>ed PM605<br>ed PM605<br>PMP13<br>PM83 (CPX83)<br>DU04.<br>DF600<br>PD013<br>DD001<br>TTM15<br>TQM15<br>PRP07<br>NU0851<br>BT005<br>BT001                                 |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFU/4<br>DFU/600<br>PSD/N<br>SDD/1<br>-<br>-<br>-<br>TTM/15 su 3<br>TQM/15 su 4<br>PRP/7<br>CNU/8/51<br>BTU for PR/DIN3<br>BT/DIN/PO for<br>BT/3-BTO for F<br>PR/DIN/AC of s  | (pre-assemble<br>(pre-assemble<br>s (pre-assemble<br>(83) C<br>(83) C<br>(83) C<br>(90) C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ed PM603<br>ed PM605<br>ed PM605<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013<br>DD001<br>TTM15<br>TQM15<br>PRP07<br>NU0851<br>BT005<br>BT001<br>BT003-BT007<br>PR001          |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFW/600<br>PSD/N<br>SDD/1<br>-<br>-<br>-<br>TTM/15 su 3<br>TQM/15 su 4<br>PRP/7<br>CNU/851<br>BTU for PR/DIN<br>BTJ ENT for rF<br>PR/DIN/PC for<br>PR/DIN/AC of PR/DIN/AS sar | (pre-assemble<br>(pre-assemble<br>s (pre-assemble<br>(83) C<br>(83) C<br>(83) C<br>PR/DIN only<br>PR/DIN only<br>PR/3 only<br>steel<br>me with slots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ed PM603<br>ed PM605<br>ed PM605<br>PMP13<br>PMP3 (CPX83)<br>DU04<br>DF600<br>PD013<br>DD001<br>TTM15<br>TQM15<br>PRP07<br>NU0851<br>BT005<br>BT001<br>BT003-BT007<br>PR001<br>PR004 |
| PM/60/3 poles<br>PM/60/5 poles<br>PM/60/10 poles<br>41 / (41)<br>POS/93<br>PMP/13<br>CPM/83 (CPX/<br>DFU/4<br>DFU/4<br>DFU/600<br>PSD/N<br>SDD/1<br>-<br>-<br>-<br>TTM/15 su 3<br>TQM/15 su 4<br>PRP/7<br>CNU/8/51<br>BTU for PR/DIN3<br>BT/DIN/PO for<br>BT/3-BTO for F<br>PR/DIN/AC of s  | (pre-assemblik<br>(pre-assemblik<br>(pre-assemblik<br>( <b>83)</b> C<br>( <b>8</b> | ed PM603<br>ed PM605<br>ed PM605<br>PMP13<br>PM83 (CPX83)<br>DU04<br>DF600<br>PD013<br>DD001<br>TTM15<br>TQM15<br>PRP07<br>NU0851<br>BT005<br>BT001<br>BT003-BT007<br>PR001          |



# **CBD Series** with UL94V-0 polvamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- CESI 01 ATEX 090 U Ex e 🕼 certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II
- · when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour)



#### (Ex)i version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                         |
|--------------------------------------------------|-------------------------|
| rated cross-section                              | (mm²)                   |
| connecting capacity                              |                         |
| flexible                                         | (mm²)                   |
| rigid                                            | (mm²)                   |
| max. flexible with ferrule (mm <sup>2</sup> )-fe | rrule type              |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1  |
| rated voltage / rated current / AWG / tig        | htening torque value UL |
| (Ex e) rated voltage 🗔 / 🦳                       | (V)                     |
| rated impulse withstand voltage / pollu          | tion degree             |
| insulation stripping length                      | (mm)                    |
| tightening torque value (test / max)             | (Nm)                    |
| height / width / thickness                       | TH/35 7,5 mm            |
| height / width / thickness                       | <b>`</b> ſ TH/35 15 mm  |
| height / width / thickness                       | 🖵 G32                   |

#### **APPROVALS**

| ACCESSO                                   | DRIES                       |
|-------------------------------------------|-----------------------------|
| End sections                              | beige                       |
| Permanent cross connection                | blue                        |
|                                           |                             |
|                                           |                             |
| Rated current carrying capacity of jumper | (same, Ex e version) (A)    |
| Switchable cross connection               |                             |
| Multiple common bar                       | 250 mm                      |
| Shunting screw and sleeve (same,          | Ex e version)               |
| Coloured partition                        | red, green, white           |
| Cross connection barrier                  | red                         |
| Test plug socket                          |                             |
| Test plug                                 |                             |
| Modular test plug                         |                             |
| End section for modular test plug         |                             |
| Numbering strip                           | on adiacant tamainal blacks |
| Warning plate                             | on adjacent terminal blocks |
| Cover for cross-connection                |                             |
| Marking tag                               | printed or blank            |
| End bracket                               | P                           |
|                                           |                             |
|                                           | _                           |
| Mounting rail                             |                             |
| according to IEC 60715 Std.               |                             |
|                                           | ۰_r                         |
|                                           |                             |

Screening lug





CBD 16



(\*) if shielded cables are to be connected when using CB/SH screening lug, the rated voltage is reduced to 250 V

Cat. No.

Ćat. No.

800 V / 57 A / B6 600 V / 60 A / 20-6 AWG / 13,3 lb.in

Enel DV 27/1

IEC Ex pending

PM/10/2 poles (pre-assembled) PM102 PM/10/3 poles (pre-assembled) PM103 PM/10/5 poles (pre-assembled) PM105 PM/10/10 poles (pre-assembled) PM100

**CBD.10** 

feed-through 10  $0.5 \div 16$ 0,5 ÷ 16 10 - WP100/21

500 V / 630 V 8 KV / 3 14 1.2/1.955 / 44 / 10 63 / 44 / 10 59/44/10 **GA**Us

美Terna

Туре

CB10/PT

57 / (57) P0S/44

**PMP/04** 

DFU/4

PSD/B

SDD/2

TTM/04 on 3

TQM/04 on 4

BTU for PR/DIN and PR/3

BT/3-BTO for PR/3 only PR/DIN/AC of steel

BT/DIN/PO for PR/DIN only

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/3/AC of steel

CBD/SH (\*)

PRP/7

CNU/8/51

-

DFM/700

CPM/03 (CPX/03)

CB10/PT (Ex)i

CBD.10 (Ex)i

| o. <b>CB440</b>                                                                | CBD.16<br>Cat                                                                                                                                                                    | t. No. <b>CB51</b> (             | CE                                                                             |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------|
| o. <b>CBX45</b>                                                                | CBD.16 (Ex)i<br>Cat                                                                                                                                                              | t. No. <b>CBX5</b> 2             |                                                                                |
|                                                                                |                                                                                                                                                                                  |                                  |                                                                                |
|                                                                                | feed-through<br>16                                                                                                                                                               |                                  | feed<br>35                                                                     |
| G / 13,3 lb.in                                                                 | 0,5 ÷ 25<br>0,5 ÷ 25<br>16 · WP160/22<br>800 V / 76 A / B7<br>600 V / 100 A / 20-3<br>630 V / 630 V<br>8 KV / 3<br>18<br>1,8 / 3<br>57 / 47 / 12<br>65 / 47 / 12<br>61 / 47 / 12 | KEMA (                           | 0,5<br>0,5<br>35 -<br>800<br>630<br>8 K<br>20<br>2 / 3<br>60 /<br>68 /<br>64 / |
|                                                                                | 売 Terna 兆                                                                                                                                                                        | Enel<br>Distribuzione<br>DV 27/1 | ) 类                                                                            |
| ling                                                                           | IEC Ex p                                                                                                                                                                         | pending                          |                                                                                |
| Cat. No.                                                                       | Туре                                                                                                                                                                             | Cat. No.                         | Тур                                                                            |
| CB431<br>CBX44<br>nbled) PM102<br>nbled) PM103<br>nbled) PM105<br>nbled) PM100 | CB16/PT<br>CB16/PT (Ex)i<br>POF/44 (PFX/44)<br>(same, Ex e version)                                                                                                              | CB511<br>CBX53<br>POF44 (PFX44   | CB3<br>CB3<br>POF<br>(san                                                      |
| D0044                                                                          | 76 / (76)                                                                                                                                                                        | D0044                            | 125                                                                            |
| POS44<br>PMP04                                                                 | POS/44<br>PMP/05                                                                                                                                                                 | POS44<br>PMP05                   | POS                                                                            |
| CPM03 (CPX03)                                                                  | CPM/44 (CPX/44)                                                                                                                                                                  | CPM44 (CPX44                     |                                                                                |
| DU04                                                                           | DFU/4                                                                                                                                                                            | DU04                             | DFU                                                                            |
| DF700                                                                          | DFM/700                                                                                                                                                                          | DF700                            | DFN                                                                            |
| PD002                                                                          | PSD/B                                                                                                                                                                            | PD002                            | PSD                                                                            |
| DD002                                                                          | SDD/2                                                                                                                                                                            | DD002                            | SDE                                                                            |
|                                                                                | -                                                                                                                                                                                |                                  | -                                                                              |
|                                                                                | -                                                                                                                                                                                |                                  | -                                                                              |
| TTMOA                                                                          | -<br>TUM/05 on 3 and on 4                                                                                                                                                        |                                  | -                                                                              |
| TTM04<br>TQM04                                                                 |                                                                                                                                                                                  | 4 TUM05                          | TUN                                                                            |
| PRP07                                                                          | PRP/7                                                                                                                                                                            | PRP07                            | PRF                                                                            |
| NU0851                                                                         | CNU/8/51                                                                                                                                                                         | NU0851                           | CNL                                                                            |
| BT005                                                                          | BTU for PR/DIN and PR                                                                                                                                                            |                                  | BTU                                                                            |
| y BT001                                                                        | BT/DIN/PO for PR/DIN                                                                                                                                                             |                                  | BT/                                                                            |
| BT003-BT007                                                                    | BT/3-BTO for PR/3 on                                                                                                                                                             |                                  |                                                                                |
| PR001                                                                          | PR/DIN/AC of steel                                                                                                                                                               | PR001                            | PR/                                                                            |
| ts PR004                                                                       | PR/DIN/AS same with                                                                                                                                                              |                                  | PR/                                                                            |
| PR002                                                                          | PR/DIN/AL of aluminit                                                                                                                                                            |                                  | PR/                                                                            |
| PR003<br>PR005                                                                 | PR/3/AC of steel<br>PR/3/AS same with slo                                                                                                                                        | PR003<br>ots PR005               | PR/<br>PR/                                                                     |
| CB009                                                                          |                                                                                                                                                                                  |                                  | гñ/                                                                            |
| 00000                                                                          |                                                                                                                                                                                  |                                  |                                                                                |

| CBD.35                         | Cat. No.                  | CB610                 |
|--------------------------------|---------------------------|-----------------------|
| CBD.35 (                       | ( <b>Ex)i</b><br>Cat. No. | CBX62                 |
|                                |                           |                       |
| feed-through                   |                           |                       |
| 35                             |                           |                       |
|                                | / B8<br>/ 16 ÷ 1 AV       | VG / 22,1 lb.in       |
| 630 V / 630 V<br>8 KV / 3      |                           |                       |
| 20                             |                           |                       |
| 2/3,5                          |                           |                       |
| 60 / 52 / 16                   |                           |                       |
| 68 / 52 / 16                   |                           |                       |
| 64 / 52 / 16                   |                           |                       |
| c <b>FL</b> us                 |                           | EUR 🐼                 |
| デモTerna<br>LV 27/1             |                           | " (ካ)                 |
|                                | FC Fx pendin              | BR                    |
| Туре                           | Eo Expondiri              | Cat. No.              |
| CB35/PT                        |                           | CB611                 |
| CB35/PT (Ex)                   | i                         | CBX63                 |
| POF/06 (PFX/                   |                           | POF06 (PFX06)         |
| (same, Ex e ve                 | ersion)                   |                       |
| 125 / (125)                    |                           |                       |
| POS/66                         |                           | POS66                 |
| PMP/06<br>CPM/06 (CPX          | <b>////6)</b>             | PMP06<br>PM06 (CPX06) |
| DFU/5                          | <b>700</b> 0              | DU05                  |
| DFM/700                        |                           | DF700                 |
| PSD/B                          |                           | PD002                 |
| SDD/2                          |                           | DD002                 |
| -                              |                           |                       |
| -                              |                           |                       |
| TUM/06 on 3 a                  | and on 4                  | TUM06                 |
| PRP/8                          |                           | PRP08                 |
| CNU/8/51                       |                           | NU0851                |
| BTU for PR/DIN                 |                           | BT005                 |
| BT/DIN/PO for<br>BT/3-BTO for  | ,                         | BT001<br>BT003-BT007  |
| PR/DIN/AC of                   |                           | PR001                 |
| PR/DIN/AS sa                   |                           | PR004                 |
| rn/Diiv/A3 Sa                  | THE WILL SIOLS            | 11100-                |
| PR/DIN/AL of                   | aluminium                 | PR002                 |
| PR/DIN/AL of<br>PR/3/AC of ste | aluminium<br>eel          | PR002<br>PR003        |
| PR/DIN/AL of                   | aluminium<br>eel          | PR002                 |

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## **CBD Series** with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- CESI 01 ATEX 090 U Ex e 💿 certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour)

#### beige version

#### (Ex)i version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                          |
|--------------------------------------------------|--------------------------|
| rated cross-section                              | (mm²)                    |
| connecting capacity                              |                          |
| flexible                                         | (mm²)                    |
| rigid                                            | (mm²)                    |
| max. flexible with ferrule (mm <sup>2</sup> )-fe | errule type              |
| rated voltage / rated current / gauge            |                          |
| rated voltage / rated current / AWG / tig        | ghtening torque value UL |
| (Ex e) rated voltage 💷 / ٦                       | (V)                      |
| rated impulse withstand voltage / poll           | ution degree             |
| insulation stripping length                      | (mm)                     |
| tightening torque value (test / max)             | (Nm)                     |
| height / width / thickness                       | TH/35 7,5 mm - ۲         |
| height / width / thickness                       | <b>└─</b> ∫ TH/35 15 mm  |
| height / width / thickness                       | <b>G</b> 32              |
|                                                  |                          |

#### **APPROVALS**

| ACCESSO                                   | RIES                        |
|-------------------------------------------|-----------------------------|
| End sections                              | beige<br>blue               |
| Permanent cross connection (same          | , Ex e version)             |
| Rated current carrying capacity of jumper | (same, Ex e version) (A)    |
| Switchable cross connection               |                             |
| Multiple common bar                       | 250 mm                      |
| Shunting screw and sleeve (same, I        | ,                           |
| Coloured partition                        | red, green, white           |
| Cross connection barrier                  | red                         |
| Test plug socket                          |                             |
| Test plug                                 |                             |
| Modular test plug                         |                             |
| End section for modular test plug         |                             |
| Numbering strip                           |                             |
| Warning plate                             | on adjacent terminal blocks |
| Cover for cross-connection                |                             |
| Marking tag                               | printed or blank            |
| End bracket                               |                             |
| Mounting rail                             |                             |
| according to IEC 60715 Std.               |                             |
|                                           | <i>٦</i> ٢                  |
| Screening lug                             |                             |
|                                           |                             |





(\*): 150 A factory wiring only

| CBD.50                                                | Cat. No.                         | CB710                         | CBD.70                                          | Cat. No.                  | CB810                           |
|-------------------------------------------------------|----------------------------------|-------------------------------|-------------------------------------------------|---------------------------|---------------------------------|
| CBD.50 (E                                             | <b>Ex)i</b><br>Cat. No.          | CBX72                         | CBD.70 (                                        | ( <b>Ex)i</b><br>Cat. No. | CBX82                           |
|                                                       |                                  |                               |                                                 |                           |                                 |
| feed-through                                          |                                  |                               | feed-through                                    |                           |                                 |
| 50                                                    |                                  |                               | 70                                              |                           |                                 |
| 1,5 ÷ 50<br>1 ÷ 70<br>50 - WP500/40                   |                                  |                               | 1,5 ÷ 95<br>1 ÷ 95<br>-                         |                           |                                 |
| 800 V / 150 A /<br>600 V / 130 A (*)<br>630 V / 630 V |                                  | 3,2 lb.in.                    | 800 V / 192 A<br>600 V / 220 A<br>630 V / 630 V | / 12 - 4/0 AV             | VG / 50 lb. in.                 |
| 8 KV / 3                                              |                                  |                               | 8 KV / 3                                        |                           |                                 |
| 22<br>2,5 / 5                                         |                                  |                               | 26<br>3 / 8                                     |                           |                                 |
| 62 / 57 / 18                                          |                                  |                               | 71 / 62 / 20,5                                  |                           |                                 |
| 70 / 57 / 18                                          |                                  |                               | 79 / 62 / 20,5                                  |                           |                                 |
| 66 / 57 / 18                                          | -6100                            | _                             | 75 / 62 / 20,5                                  | -6996                     |                                 |
|                                                       | 🏝 🔣                              | 1A (Ex)                       |                                                 | K K                       |                                 |
| 光 Terna                                               | Enel<br>Distribuzione<br>DV 27/1 | <br>U                         | 光 Terna                                         | Site Enel                 |                                 |
| Туре                                                  |                                  | Cat. No.                      | Туре                                            |                           | Cat. No.                        |
| CB50/PT<br>CB50/PT (Ex)i<br>POF/07 (PFX/0             |                                  | CB711<br>CBX73<br>F07 (PFX07) | CB70/PT<br>CB70/PT (Ex)<br>POF/08 (PFX/         |                           | CB811<br>CBX83<br>POF08 (PFX08) |
| 150 / (150)                                           |                                  |                               | 192 / (155)                                     |                           |                                 |
| POS/77<br>PMP/07                                      |                                  | POS77<br>PMP07                | POS/08<br>PMP/08                                |                           | POS08<br>PMP08                  |
| CPM/07 (CPX/                                          |                                  | 107 (CPX07)                   | CPM/08 (CPX                                     | (/08) C                   | PM08 (CPX08)                    |
| DFU/5                                                 |                                  | DU05                          | DFU/6                                           | ,                         | DU06                            |
| DFM/700                                               |                                  | DF700                         | DFM/700                                         |                           | DF700                           |
| PSD/C<br>SDD/2                                        |                                  | PD003<br>DD002                | PSD/C<br>SDD/2                                  |                           | PD003<br>DD002                  |
| -                                                     |                                  | DDUUZ                         | -                                               |                           | DDOUZ                           |
| -                                                     |                                  |                               | -                                               |                           |                                 |
| -                                                     |                                  |                               | -                                               |                           | 7111 40.0                       |
| TUM/07 on 3 an<br>-                                   | id on 4                          | TUM07                         | <b>TUM/08</b> on 3 a<br>-                       | and on 4                  | TUM08                           |
| PRP/8                                                 |                                  | PRP08                         | PRP/8                                           |                           | PRP08                           |
| CNU/8/51<br>CSC                                       |                                  | NU0851<br>CS                  | CNU/8/51<br>CSC                                 |                           | NU0851<br>CS                    |
| BTU for PR/DIN a                                      |                                  | BT005                         | BTU for PR/DIN                                  | and PR/3                  | BT005                           |
| BT/DIN/PO for I                                       |                                  | BT001                         | BT/DIN/PO fo                                    |                           | BT001                           |
| BT/3-BTO for P<br>PR/DIN/AC of s                      |                                  | 003-BT007<br>PR001            | BT/3-BTO for<br>PR/DIN/AC of                    |                           | BT003-BT007<br>PR001            |
| PR/DIN/AS sam                                         |                                  | PR004                         | PR/DIN/AS sa                                    |                           | PR004                           |
| PR/DIN/AL of a                                        |                                  | PR002                         | PR/DIN/AL of                                    |                           | PR002                           |
| PR/3/AC of stee<br>PR/3/AS same v                     |                                  | PR003<br>PR005                | PR/3/AC of ste<br>PR/3/AS same                  |                           | PR003<br>PR005                  |
| - same                                                | WILLI SIULS                      | FNUUD                         |                                                 | e with sidts              | r nuuu                          |
|                                                       |                                  |                               |                                                 |                           |                                 |



# **GPM Series high current terminal blocks**

#### with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available
- possibility to perform cross-connections
- available in /BB (bar-bar), /BC (bar-cable), /CC (cable-cable) versions
- available in beige RAL 1001 colour



**tightening reliability:** the reliability of the connection (cable-lugs or bars) is guaranteed by screw and nut clamping, with one flat and one spring washer, having the function of counteracting the effects of high dynamic stress. In the versions designed for the connection of conductors without special preparation, the reliability of the connection is assured by the special wrapping shape of the pressure plate. The spring reaction to the pressing force of the conductor works as a block under the head of the tightening screw, avoiding unloosening, even in presence of vibrations.

The conducting bar is also manufactured with an equivalent concave housing as to increase the clamping effectiveness on the conductors. In addition, the contact surfaces of both the pressure plate and the concave housing of the conducting busbar are provided, on their whole length, with cross grooving which improves the connection characteristics. The mechanical retention of the conductors guarantees low resistance of the resulting electrical contact.

warning protection: all the versions are contained in particularly articulated insulating bodies which guarantee an **IPXXB** degree of protection, without the need of any further accessory. Every insulating body, made in thermoplastic material, is manufactured in two specular half-shells which fit into each other by means of centring pins. In addition on the lower and internal part of the terminal block, eight embedding tabs give added safety to the terminal block itself. The side walls of the half-shells are stiffened and box like; this not only improves the aesthetic aspect of these large terminal blocks, but also guarantees improved stability and linearity to the entire installation. The different versions, obviously, have different but always innovative and original solutions to the problem of guaranteeing the IPXXB protection degree. In fact in appropriate seats inside the side walls of the half-shells the following may be inserted:

- protection for the "bar" versions: this protection, which in normal installation conditions is in a longitudinal position in respect to the axis of the terminal block, can be easily rotated with the simple aid of a screwdriver (as mentioned in the safety regulations). In this way, access can be guaranteed into the connection unit and for all the cable lugs or bars for tightening and loosening operations,
- protection for the "cable" versions: in this case the protection is fixed and has a click insertion. It is orthogonal to the axis of the terminal block and it protects the wire clamping collar, the pressure plate and the tightening screw.

This type of protection is provided with a "sliding gate" device, which is vertical to the terminal block protection and in line with the conductors insertion hole; it allows, with manual action with the best safety conditions, to close partially or totally the hole itself and to protect the live parts, when using conductors having a cross-section much lower than the rated one or when wiring the terminal block only on one side.

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**mounting:** due to their large dimensions and as they bear high strain caused by the stress generated by the conductors, a new rail mounting system has been researched into and designed for them. These terminal blocks can be mounted on different types of rails (conf. to IEC 607155). The dismounting from the rail of the terminal block can take place with the aid of a simple screwdriver, inserted in the vent-hole of the mounting system itself (yellow part). If the rails themselves are to be installed on a straight wall, the size of GPM terminal blocks make the use of flat rail supports indispensable so that the terminals can be adequately distanced from the surface. For each terminal block, a /FIX version for the direct panel-mount is available. **marking:** identification on both sides can be made on all the terminal blocks of GPM series, despite the size, with either CNU/8 type (2 elements) or CSC (up to 5 elements) marking tags. It is not necessary to use one or the other type: they can be used together.

**cross-connection:** with this series of products it is also possible to create a cross connection between two or three adjoining terminal blocks by using the appropriate jumper. The pre-cut diaphragm on the side wall of the insulating body must be removed before the insertion of this accessory. Even when the cross-connection is in place, the assembled terminal board provided with these accessories guarantees an IPXXB protection degree, without the need of any further cover.



# •> cabur

# **GPM Series** high current terminal blocks

# with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel-mount version available M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



standard version

GP100

**GP110** 

(\*)



panel-mount version

(\*) distance between the cable lug fixing screw axis and the conducting body: 10 mm

Cat. No.

Cat. No.

**GPM.95/BB** 

feed-through 95

1000 V / 269 A / -

6 / 9 (13 mm wrench)

12 KV / 3

81 / 176 / 32 88 / 176 / 32 85 / 176 / 32 76 / 176 (158) / 32

Туре

POF/95/2 poles

POF/95/3 poles

ACI121213

ACI121024

CNU/8/51

BTU for PR/DIN and PR/3

CDA/BT for PR/DIN only

BT/3-BTO for PR/3 only

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/DIN/AC of steel

PR/3/AC of steel

CSC

**GPM.95/BB/FIX** 

22 mm maximum width (M8 bolt)

KEUR 🏶

UL, cUL, ATEX and IEC Ex pending

Cat. No.

P0952

P0953

Z121213

Z121024

NU0851

BT005

CD003

PR001

PR004

PR002

PR003

PR005

BT003-BT007

CS.

(\*) distance between the cable lug fixing screw axis and the conducting body: 12 mm

**GPM.150/BB** 

|                                      | Cat. No          | D. <b>GP</b>     | 400  |
|--------------------------------------|------------------|------------------|------|
| GPM.150/                             | BB/FI<br>Cat. No |                  | 410  |
|                                      |                  |                  |      |
| feed-through<br>150                  |                  |                  |      |
| -                                    |                  |                  |      |
| 32 mm maximur<br>1000 V / 353 A      |                  | M10 bolt)        | (*)  |
| 12 KV / 3                            |                  |                  |      |
| -<br>10 / 15 (17 mm                  | wrench)          |                  |      |
| 81 / 200 / 42                        |                  |                  |      |
| 88 / 200 / 42<br>85 / 200 / 42       |                  |                  |      |
| 76 / 200 (158) /                     |                  | Din.             |      |
| KE                                   | MA<br>UR         | B                |      |
| UL, CUL, ATE                         | EX and IEC       |                  |      |
| Туре                                 |                  | Cat. N           | 0.   |
| -                                    |                  |                  |      |
| P0F/150/2 poles                      |                  | P0152            |      |
| POF/150/3 poles                      |                  | P0153            |      |
| -                                    |                  |                  |      |
| -                                    |                  |                  |      |
| -                                    |                  |                  |      |
| -                                    |                  |                  |      |
| -                                    |                  |                  |      |
| -                                    |                  |                  |      |
| -                                    |                  |                  |      |
| -                                    |                  |                  |      |
| ACI121213<br>ACI121024               |                  | Z12121<br>Z12102 |      |
| CNU/8/51<br>CSC                      |                  | NU085<br>CS      |      |
| BTU for PR/DIN ar                    |                  | BT005            |      |
| CDA/BT for PR/D<br>BT/3-BTO for PR   | /3 only          | CD003<br>BT003-B | T007 |
| PR/DIN/AC of ste<br>PR/DIN/AS same   |                  | PR001<br>PR004   |      |
| PR/DIN/AL of alu<br>PR/3/AC of steel | minium           | PR002<br>PR003   |      |
| PR/3/AS same w                       | ith slots        | PR005            |      |
|                                      |                  |                  |      |

(\*) distance between the cable lug fixing screw axis and the conducting body: 15 mm

| GPM.240/BB<br>Cat. No. GP700                                           |
|------------------------------------------------------------------------|
| GPM.240/BB/FIX<br>Cat. No. GP710                                       |
|                                                                        |
| feed-through<br>240                                                    |
| -                                                                      |
| 40 mm maximum width (M12 bolt) (*)<br>1000 V / 452 A / -               |
| 12 KV / 3                                                              |
| -<br>14 / 21 (19 mm wrench)                                            |
| 89 / 250 / 52<br>96 / 250 / 52<br>93 / 250 / 52<br>84 / 250 (172) / 52 |
| KEUR                                                                   |
| UL, CUL, ATEX and IEC Ex pending Type Cat. No.                         |
| -                                                                      |
| <b>P0F/240/2</b> poles P0242                                           |
| P0F/240/3 poles P0243                                                  |
|                                                                        |
| -                                                                      |
| -<br>-                                                                 |
|                                                                        |
|                                                                        |

| -                         |             |
|---------------------------|-------------|
| -                         |             |
| -                         |             |
| ACI121213                 | Z121213     |
| ACI121024                 | Z121024     |
| CNU/8/51                  | NU0851      |
| CSC                       | CS          |
| BTU for PR/DIN and PR/3   | BT005       |
| CDA/BT for PR/DIN only    | CD003       |
| BT/3-BTO for PR/3 only    | BT003-BT007 |
| PR/DIN/AC of steel        | PR001       |
| PR/DIN/AS same with slots | PR004       |
| PR/DIN/AL of aluminium    | PR002       |
| PR/3/AC of steel          | PR003       |
| PR/3/AS same with slots   | PR005       |

#### standard version

#### panel-mount version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                           |
|--------------------------------------------------|---------------------------|
| rated cross-section                              | (mm²)                     |
| connecting capacity                              |                           |
| flexible                                         | (mm²)                     |
| rigid                                            | (mm²)                     |
| bars and/or cable lugs                           |                           |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1    |
| rated voltage / rated current / AWG              | UL                        |
| rated impulse withstand voltage / pollut         | tion degree               |
| insulation stripping length                      | (mm)                      |
| tightening torque value -bar (test / recor       | mmended) (Nm)             |
| tightening torque value -cable (test / rec       | commended) (Nm)           |
| height / width / thickness                       | TH/35 7,5 mm ريم          |
| height / width / thickness                       | <b>└─</b> ∫ TH/35 15 mm   |
| height / width / thickness                       | 🖵 G32                     |
| height / width (fixing distance between centres) | / thickness (panel-mount) |

#### **APPROVALS**

| ACCES                                     | SORIES                                                |
|-------------------------------------------|-------------------------------------------------------|
| End sections                              | beige                                                 |
| Permanent cross connection                |                                                       |
| Switchable cross connection               |                                                       |
| Multiple common bar                       | 250 mm                                                |
| Shunting screw and sleeve                 |                                                       |
| Coloured partition                        | red, green, white                                     |
| Cross connection barrier                  | red                                                   |
| Test plug socket                          |                                                       |
| Test plug                                 |                                                       |
| Numbering strip                           |                                                       |
| Cover for cross-connection                |                                                       |
| Mounting rail support                     | flat for PR/DIN and PR/3 inclined for PR/DIN and PR/3 |
| Marking tag                               | printed or blank                                      |
| End bracket                               |                                                       |
| Mounting rail according to IEC 60715 Std. |                                                       |
|                                           | 2 5                                                   |

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# **GPM Series** high current terminal blocks

#### with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel-mount version available M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour





standard version

**GPM.150/BC** 



panel-mount version

**GPM.240/BC** 

Cat. No.

GP800

#### standard version

#### panel-mount version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                           |
|--------------------------------------------------|---------------------------|
| rated cross-section                              | (mm²)                     |
| connecting capacity                              |                           |
| flexible                                         | (mm²)                     |
| rigid                                            | (mm²)                     |
| bars and/or cable lugs                           |                           |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1    |
| rated voltage / rated current / AWG              | UL                        |
| rated impulse withstand voltage / pollut         | tion degree               |
| insulation stripping length                      | (mm)                      |
| tightening torque value -bar (test / recor       | mmended) (Nm)             |
| tightening torque value -cable (test / rec       | commended) (Nm)           |
| height / width / thickness                       | <b> TH/35</b> 7,5 mm      |
| height / width / thickness                       | <b>└─</b> ∫ TH/35 15 mm   |
| height / width / thickness                       | 🖵 G32                     |
| height / width (fixing distance between centres) | / thickness (panel-mount) |

#### **APPROVALS**

| ACCES                                     | SORIES                                                |
|-------------------------------------------|-------------------------------------------------------|
| End sections                              | beige                                                 |
| Permanent cross connection                |                                                       |
| Switchable cross connection               |                                                       |
| Multiple common bar                       | 250 mm                                                |
| Shunting screw and sleeve                 |                                                       |
| Coloured partition                        | red, green, white                                     |
| Cross connection barrier                  | red                                                   |
| Test plug socket                          |                                                       |
| Test plug                                 |                                                       |
| Numbering strip                           |                                                       |
| Cover for cross-connection                |                                                       |
| Mounting rail support                     | flat for PR/DIN and PR/3 inclined for PR/DIN and PR/3 |
| Marking tag                               | printed or blank                                      |
| End bracket                               |                                                       |
| Mounting rail according to IEC 60715 Std. |                                                       |
|                                           | 2 6                                                   |

| GPM.95/BC                                                      | Cat. No. | GP200   |
|----------------------------------------------------------------|----------|---------|
| GPM.95/BC                                                      | Cat. No. | GP210   |
|                                                                |          |         |
| feed-through                                                   |          |         |
| 95                                                             |          |         |
| 35 ÷ 120<br>25 ÷ 120<br>22 mm maximum<br>1000 V / 269 A /<br>- |          | 8 bolt) |
| 12 KV / 3                                                      |          |         |
| 35                                                             |          |         |
| 6 / 9 (13 mm wre<br>6 / 9 (Allen screw,<br>113 / 158 / 32      | ,        | ench)   |
| 120 / 158 / 32                                                 |          |         |
| 117 / 158 / 32                                                 |          |         |
| 108 / 175 (158) /                                              | 32       |         |

KEUR 🏶

UL, cUL, ATEX and IEC Ex pending

Cat. No.

P0952

P0953

Z121213 Z121024

NU0851

BT005

CD003

PR001

PR004

PR002

PR003

PR005

BT003-BT007

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/3/AC of steel

PR002

PR003

PR005

CS.

Туре

-

POF/95/2 poles

POF/95/3 poles

ACI121213 ACI121024

CNU/8/51

BTU for PR/DIN and PR/3

CDA/BT for PR/DIN only

BT/3-BTO for PR/3 only

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/DIN/AC of steel

PR/3/AC of steel

CSC

| Cat. No                                                                                                                            | <b>GP500</b>                 |                                          |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|
| GPM.150/BC/FI<br>Cat. No                                                                                                           |                              | GP                                       |
|                                                                                                                                    |                              |                                          |
| feed-through<br>150                                                                                                                |                              | feed<br>240                              |
| 50 ÷ 185<br>35 ÷ 185<br>32 mm maximum width (<br>1000 V / 353 A / B14                                                              | M10 bolt)                    | 95 ÷<br>95 ÷<br>40 n<br>1000             |
| 12 KV / 3<br>35                                                                                                                    |                              | 12 K<br>43                               |
| 10 / 15 (17 mm wrench)<br>10 / 15 (Allen screw, 8 mr<br>134 / 170 / 42<br>141 / 170 / 42<br>138 / 170 / 42<br>129 / 187 (158) / 42 | n wrench)                    | 14 /<br>14 /<br>150<br>157<br>154<br>144 |
| KEUR                                                                                                                               | <b>B</b>                     |                                          |
| UL, cUL, ATEX and IEC                                                                                                              | Ex pending<br>Cat. No.       | Turne                                    |
| Туре                                                                                                                               | Udli NVi                     | Туре                                     |
| POF/150/2 poles<br>POF/150/3 poles                                                                                                 | P0152<br>P0153               | POF/<br>POF/                             |
| -                                                                                                                                  |                              |                                          |
| -                                                                                                                                  |                              | -                                        |
| -                                                                                                                                  |                              | -                                        |
| -                                                                                                                                  |                              | -                                        |
| -                                                                                                                                  |                              | -                                        |
| -                                                                                                                                  |                              | -                                        |
| -                                                                                                                                  |                              | -                                        |
| -<br>ACI121213<br>ACI121024<br>CNU/8/51                                                                                            | Z121213<br>Z121024<br>NU0851 | ACI1<br>ACI1<br>CNU                      |
| CSC                                                                                                                                | CS                           | CSC                                      |
| BTU for PR/DIN and PR/3                                                                                                            | BT005                        | BTU                                      |
| CDA/BT for PR/DIN only                                                                                                             | 00000                        | CDA                                      |
| BT/3-BTO for PR/3 only                                                                                                             | CD003<br>BT003-BT007         | BT/3                                     |

|                                                                                                                     | Gal. NO.           | 62800                              |
|---------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------|
| GPM.240/I                                                                                                           | BC/FI)<br>Cat. No. |                                    |
|                                                                                                                     |                    |                                    |
| feed-through<br>240                                                                                                 |                    |                                    |
| 95 ÷ 300<br>95 ÷ 300<br>40 mm maximun<br>1000 V / 452 A /                                                           |                    | 112 bolt)                          |
| 12 KV / 3                                                                                                           |                    |                                    |
| 43<br>14 / 21 (19 mm<br>14 / 21 (Allen scr<br>150 / 202 / 52<br>157 / 202 / 52<br>154 / 202 / 52<br>144 / 219 (172) | ew, 8 mm           | wrench)                            |
| ( )                                                                                                                 | -600               |                                    |
| KE                                                                                                                  |                    | ŧ,                                 |
| UL, CUL, ATE                                                                                                        | X and IEC E        | x pending                          |
| Туре                                                                                                                |                    | Cat. No.                           |
| <b>POF/240/2</b> poles<br><b>POF/240/3</b> poles<br>-<br>-                                                          |                    | P0242<br>P0243                     |
| -                                                                                                                   |                    |                                    |
| -                                                                                                                   |                    |                                    |
| -                                                                                                                   |                    |                                    |
| -                                                                                                                   |                    |                                    |
| -                                                                                                                   |                    |                                    |
| -                                                                                                                   |                    |                                    |
| ACI121213                                                                                                           |                    | Z121213                            |
| ACI121213<br>ACI121024<br>CNU/8/51<br>CSC                                                                           |                    | Z121213<br>Z121024<br>NU0851<br>CS |
| BTU for PR/DIN and                                                                                                  | d PR/3             | CS<br>BT005                        |
| CDA/BT for PR/DI                                                                                                    |                    | CD003                              |
| BT/3-BTO for PR/                                                                                                    | '3 only            | BT003-BT007                        |
| PR/DIN/AC of stee                                                                                                   |                    | PR001                              |
| PR/DIN/AS same v<br>PR/DIN/AL of alun                                                                               |                    | PR004<br>PR002                     |
| PR/3/AC of steel                                                                                                    | mnum               | PR003                              |
| PR/3/AS same wi                                                                                                     | th slots           | PR005                              |
|                                                                                                                     |                    |                                    |

# **GPM Series** high current terminal blocks

#### with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and ʻTH/35" types
- panel-mount version available M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour







PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/3/AC of steel



panel-mount version

#### standard version

#### panel-mount version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                           |
|--------------------------------------------------|---------------------------|
| rated cross-section                              | (mm²)                     |
| connecting capacity                              |                           |
| flexible                                         | (mm²)                     |
| rigid                                            | (mm <sup>2</sup> )        |
| bars and/or cable lugs                           |                           |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1    |
| rated voltage / rated current / AWG              | UL                        |
| rated impulse withstand voltage / pollut         | tion degree               |
| insulation stripping length                      | (mm)                      |
| tightening torque value -bar (test / recor       | mmended) (Nm)             |
| tightening torque value -cable (test / rec       | commended) (Nm)           |
| height / width / thickness                       | <b> TH/35</b> 7,5 mm      |
| height / width / thickness                       | <b>└─</b> ∫ TH/35 15 mm   |
| height / width / thickness                       | 🖵 G32                     |
| height / width (fixing distance between centres) | / thickness (panel-mount) |

#### **APPROVALS**

| ACCESSORIES                               |                                                          |  |
|-------------------------------------------|----------------------------------------------------------|--|
| End sections                              | beige                                                    |  |
| Permanent cross connection                |                                                          |  |
| Switchable cross connection               |                                                          |  |
| Multiple common bar                       | 250 mm                                                   |  |
| Shunting screw and sleeve                 |                                                          |  |
| Coloured partition                        | red, green, white                                        |  |
| Cross connection barrier                  | red                                                      |  |
| Test plug socket                          |                                                          |  |
| Test plug                                 |                                                          |  |
| Numbering strip                           |                                                          |  |
| Cover for cross-connection                |                                                          |  |
| Mounting rail support                     | flat for PR/DIN and PR/3<br>inclined for PR/DIN and PR/3 |  |
| Marking tag                               | printed or blank                                         |  |
| End bracket                               |                                                          |  |
| Mounting rail according to IEC 60715 Std. |                                                          |  |
|                                           | 3 6                                                      |  |

| GPM.95/CC<br>Cat. No                                                                                                           | GP300                                                    | GPM.150/CC<br>Cat. No                                                                                                          | o. <b>GP600</b>                                 |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| GPM.95/CC/FIX<br>Cat. No                                                                                                       | GP310                                                    | GPM.150/CC/FU<br>Cat. No                                                                                                       |                                                 |
|                                                                                                                                |                                                          |                                                                                                                                |                                                 |
| feed-through<br>95                                                                                                             |                                                          | feed-through<br>150                                                                                                            |                                                 |
| 35 ÷ 120<br>25 ÷ 120<br>22 mm maximum width (N<br>1000 V / 269 A / B12<br>-<br>12 KV / 3<br>-                                  | 18 bolt)                                                 | 50 ÷ 185<br>35 ÷ 185<br>32 mm maximum width (1<br>1000 V / 353 A / B14<br>-<br>12 KV / 3<br>-                                  | M10 bolt)                                       |
| -<br>6 / 9 (Allen screw, 6 mm w<br>113 / 140 / 32<br>120 / 140 / 32<br>117 / 140 / 32<br>108 / 173 (158) / 32<br>KEUR          | ·                                                        | -<br>10 / 15 (Allen screw, 8 mm<br>134 / 140 / 42<br>141 / 140 / 42<br>138 / 140 / 42<br>129 / 173 (158) / 42<br>KEMA          | ·                                               |
| UL, cUL, ATEX and IEC E                                                                                                        |                                                          | UL, cUL, ATEX and IEC                                                                                                          |                                                 |
| Туре                                                                                                                           | Cat. No.                                                 | Туре                                                                                                                           | Cat. No.                                        |
| POF/95/2 poles<br>POF/95/3 poles                                                                                               | P0952<br>P0953                                           | -<br>POF/150/2 poles<br>POF/150/3 poles<br>-                                                                                   | P0152<br>P0153                                  |
|                                                                                                                                |                                                          |                                                                                                                                |                                                 |
| -                                                                                                                              |                                                          | -                                                                                                                              |                                                 |
| -                                                                                                                              |                                                          | -                                                                                                                              |                                                 |
| -                                                                                                                              |                                                          | -                                                                                                                              |                                                 |
| -                                                                                                                              |                                                          |                                                                                                                                |                                                 |
| -                                                                                                                              |                                                          | -                                                                                                                              |                                                 |
| ACI121213<br>ACI121024<br>CNU/8/51<br>CSC                                                                                      | Z121213<br>Z121024<br>NU0851<br>CS                       | ACI121213<br>ACI121024<br>CNU/8/51<br>CSC                                                                                      | Z121213<br>Z121024<br>NU0851<br>CS              |
| BTU for PR/DIN and PR/3<br>CDA/BT for PR/DIN only<br>BT/3-BTO for PR/3 only<br>PR/DIN/AC of steel<br>PR/DIN/AS same with slots | BT005<br>CD003<br>BT003-BT007<br>PR001<br>PR004<br>PR004 | BTU for PR/DIN and PR/3<br>CDA/BT for PR/DIN only<br>BT/3-BTO for PR/3 only<br>PR/DIN/AC of steel<br>PR/DIN/AS same with slots | BT005<br>CD003<br>BT003-BT007<br>PR001<br>PR004 |

#### GPM.240/CC GP900 Cat. No. GPM.240/CC/FIX Cat. No. **GP910** feed-through 240 95 ÷ 300 95 ÷ 300 40 mm maximum width (M12 bolt) 1000 V / 452 A / B16 12 KV / 3 14 / 21 (Allen screw, 8 mm wrench) 150 / 154 / 52 157 / 154 / 52 154 / 154 / 52 144 / 187 (172) / 52 KENA UL, cUL, ATEX and IEC Ex pending Cat. No. Туре POF/240/2 poles P0242 POF/240/3 poles P0243 -Z121213 ACI121213 ACI121024 Z121024 CNU/8/51 NU0851 CSC CS. BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003

BT/3-BTO for PR/3 only

PR/DIN/AS same with slots

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/DIN/AC of steel

PR/3/AC of steel

BT003-BT007

PR001

PR004

PR002

PR003

PR005

PR002

PR003

PR005

PR/DIN/AL of aluminium

PB/3/AS same with slots

PR/3/AC of steel

PR002

PR003

PR005



# **ACB Series** high current terminal blocks with UL94V-0 polyamide insulating body

- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour

(\*) referred to version equipped with wire clamping collar (\*\*) tightening with screwdriver / wrench

# (Ex)i version

beige version

#### **TECHNICAL CHARACTERISTICS**

| function / type                              |                        |
|----------------------------------------------|------------------------|
| rated cross-section                          | (mm²)                  |
| connecting capacity (*)<br>flexible<br>rigid | (mm²)<br>(mm²)         |
| bars and/or cable lugs                       |                        |
| rated voltage / rated current / gauge        | conf. to IEC 60947-7-1 |
| rated voltage / rated current / AWG          | UL                     |
| rated impulse withstand voltage / polluti    | ion degree             |
| insulation stripping length                  | (mm)                   |
| tightening torque value / bar                | (Nm)                   |
| tightening torque value / cable (**)         | (Nm)                   |
| height / width / thickness                   | a G32                  |

#### **APPROVALS**

| ACCESSORIES                                          | ;                        |
|------------------------------------------------------|--------------------------|
| Spare clamping collar (to allow the connection of no | on pre-assembled cables) |
| Safety cover                                         |                          |
| Cover support                                        |                          |
| Marking tag                                          | printed or blank         |
| End bracket                                          |                          |
| Mounting rail according to IEC 60715 Std.            |                          |
|                                                      |                          |

When using bars or lugs having a width exceeding the indicated value (up to a maximum of 34 mm) the use of SPS separating diaphragms is necessary in order to guarantee the appropriate insulation.

| ACB.70/BB<br>Cat. No. AC100                                               | ACB.120/BB<br>Cat. No. AC400                                               | ACB.185/BB<br>Cat. No. AC700                                                |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|                                                                           |                                                                            |                                                                             |
|                                                                           |                                                                            |                                                                             |
| feed-through                                                              | feed-through                                                               | feed-through                                                                |
| 70                                                                        | 120                                                                        | 185                                                                         |
| 10 ÷ 120<br>6 ÷ 120<br>25 mm maximum width (M6 bolt)<br>800 V / 192 A / - | 25 ÷ 185<br>25 ÷ 185<br>25 mm maximum width (M8 bolt)<br>800 V / 269 A / - | 25 ÷ 185<br>25 ÷ 185<br>25 mm maximum width (M12 bolt)<br>800 V / 353 A / - |
| 8 KV / 3                                                                  | 8 KV / 3                                                                   | 8 KV / 3                                                                    |
| -                                                                         | -                                                                          | -                                                                           |
| - / 3 (10 mm wrench)                                                      | - / 6 (13 mm wrench)                                                       | - / 14 (19 mm wrench)                                                       |
| -                                                                         | -                                                                          | -                                                                           |
| 45 / 90 / 35                                                              | 46 / 100 / 35                                                              | 47 / 120 / 35                                                               |
| Terna<br>LV 27/1                                                          | Terna                                                                      |                                                                             |
| Referred to the versions equipped with                                    | Referred to the versions equipped with                                     | Referred to the versions equipped with                                      |

clamping collar on both sides clamping collar on both sides

| Cat. No.                |
|-------------------------|
| AC104                   |
| PRT01                   |
| PRT03                   |
| SPS01                   |
| NU0851                  |
| CS                      |
| BT005                   |
| CD003                   |
|                         |
| PR001<br>PR004<br>PR002 |
|                         |

| Туре                      | Cat. No. |
|---------------------------|----------|
| ACB.120/C0                | AC404    |
| PRT/P                     | PRT01    |
| PRT/G                     | PRT03    |
| SPS/1                     | SPS01    |
| CNU/8/51                  | NU0851   |
| CSC (with ADR adapter)    | CS       |
| BTU for PR/DIN and PR/3   | BT005    |
| CDA/BT for PR/DIN only    | CD003    |
| -                         |          |
| PR/DIN/AC of steel        | PR001    |
| PR/DIN/AS same with slots | PR004    |
| PR/DIN/AL of aluminium    | PR002    |
| -                         |          |

clamping collar on both sides

| Туре                      | Cat. No. |
|---------------------------|----------|
| ACB.185/CO                | AC705    |
| PRT/P                     | PRT01    |
| PRT/G                     | PRT03    |
| SPS/3                     | SPS03    |
| CNU/8/51                  | NU0851   |
| CSC (with ADR adapter)    | CS       |
| BTU for PR/DIN and PR/3   | BT005    |
| CDA/BT for PR/DIN only    | CD003    |
| PR/DIN/AC of steel        | PR001    |
| PR/DIN/AS same with slots | PR004    |
| PR/DIN/AL of aluminium    | PR002    |

protection: ACB terminal blocks can be protected against direct and/or accidental contact by means of proper PRT type covers of different sizes: small, medium or big in self-extinguishing transparent material. These covers are supplied in standard length of 200 mm (corresponding to the total width of 4 adjoining blocks) and must be inserted on SPS supports), also in self-extinguishing material. PRT covers allow the protection of one side of the terminal block; the complete protection of the terminal board is obtained by two covers, which overlap.

#### PRT/P+SPS/1

- for ACB.70/BB and ACB.120/BB PRT/M+SPS/5 - for ACB.70 and ACB.120 with clamping collar mounted

PRT/P+SPS/3 - for ACB.185/BB PRT/M+SPS/7 - for ACB.185 with clamping collar mounted

PRT/G type must be used when the conductors come from the back of the board or, otherwise, when one or more connection points, not used, must be nevertheless protected.

20



# **MBL Series** stud-type terminal blocks with UL94V-0 polyamide insulating body





**MB200** 

- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour

| beige versio                                                                                                        | n                                          |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| (Ex)i versio                                                                                                        | n                                          |
| TECHNICAL CHARACT                                                                                                   | ERISTICS                                   |
| function / type<br>rated cross-section                                                                              | (mm²)                                      |
| connecting capacity<br>flexible<br>rigid                                                                            | (mm²)<br>(mm²)                             |
| stud diameter / key / locking bolt wrench<br>max lug overlapping connection height<br>torque value                  | (mm)                                       |
| rated voltage / rated current<br>rated voltage / rated current / AWG<br>rated impulse withstand voltage / pollution | sec. IEC 60947-7-1<br>UL                   |
| maximum connectable width<br>height / width / thickness<br>height / width / thickness<br>height / width / thickness | (mm)<br>TH/35 7,5 mm<br>TH/35 15 mm<br>G32 |

#### **APPROVALS**

| ACCESSORIES                               | 5                |
|-------------------------------------------|------------------|
| Partition                                 |                  |
| Cover support                             |                  |
| Safety cover                              |                  |
| Marking tag                               | printed or blank |
| End bracket                               |                  |
| Mounting rail according to IEC 60715 Std. |                  |

<u>۔</u>

| MBL.50/6<br>Cat. No. MB100         | MBL.95/8<br>Cat. No.               |
|------------------------------------|------------------------------------|
| Gal. NO. WIBTOU                    | Gal. NO.                           |
|                                    |                                    |
|                                    |                                    |
|                                    |                                    |
|                                    |                                    |
| for cable lugs                     | for cable lugs                     |
| 50                                 | 95                                 |
|                                    |                                    |
| 30 ÷ 50                            | 30 ÷ 95                            |
| 30 ÷ 70                            | 30 ÷ 120                           |
| M 6 / M 10 / M 19                  | M 8 / M 13 / M 19                  |
| 15,3<br>3                          | 13<br>6                            |
| -                                  | -                                  |
| 800 V / 150 A<br>600 V / 150 A / - | 800 V / 232 A<br>600 V / 200 A / - |
| 8 KV / 3                           | 8 KV / 3                           |
| 30                                 | 30                                 |
| -                                  | -                                  |
| -                                  |                                    |
| 79 / 39 / 35                       | 79 / 39 / 35                       |
| 10100100                           | 10/00/00                           |

connection of bars or cable lugs, 30 mm max. width, to be mounted on PR/DIN type rails. **DUS/1** and **DUS/3** type barriers are provided to ensure the correct insulation distance between the different phases.

Stud terminal blocks suitable for the

Whenever a safety cover is needed, the insulation function is guaranteed by the SPS/5 support of the cover itself.



# c Rus

| Туре                      | Cat. No. | Туре                      | Cat. No. |
|---------------------------|----------|---------------------------|----------|
| DUS/1                     | DUS01    | DUS/1                     | DUS01    |
| SPS/5                     | SPS05    | SPS/5                     | SPS05    |
| PRT/P                     | PRT01    | PRT/P                     | PRT01    |
| CNU/8/51                  | NU0851   | CNU/8/51                  | NU0851   |
| -                         |          | -                         |          |
| CDA/BT                    | CD003    | CDA/BT                    | CD003    |
| -                         |          | -                         |          |
| -                         |          | -                         |          |
| PR/DIN/AC of steel        | PR001    | PR/DIN/AC of steel        | PR001    |
| PR/DIN/AS same with slots | PR004    | PR/DIN/AS same with slots | PR004    |
| PR/DIN/AL of aluminium    | PR002    | PR/DIN/AL of aluminium    | PR002    |
| -                         |          | -                         |          |

# **MBL Series stud-type** terminal blocks

### with UL94V-0 polyamide insulating body

- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour



# beige version

#### (Ex)i version

#### **TECHNICAL CHARACTERISTICS**

| function / type                             |                         |
|---------------------------------------------|-------------------------|
| rated cross-section                         | (mm²)                   |
| connecting capacity                         |                         |
| flexible                                    | (mm²)                   |
| rigid                                       | (mm²)                   |
| stud diameter / key / locking bolt wrench   |                         |
| max lug overlapping connection height       | (mm)                    |
| torque value                                |                         |
| rated voltage / rated current               | sec. IEC 60947-7-1      |
| rated voltage / rated current / AWG         | UL                      |
| rated impulse withstand voltage / pollution | degree                  |
| maximum connectable width                   | (mm)                    |
| height / width / thickness                  | TH/35 7,5 mm            |
| height / width / thickness                  | <b>└─</b> ∫ TH/35 15 mm |
| height / width / thickness                  | <b>G</b> 32             |

#### **APPROVALS**

| ACCESSORIES                                  | ;                |
|----------------------------------------------|------------------|
| Partition                                    |                  |
| Cover support                                |                  |
| Safety cover                                 |                  |
| Marking tag                                  | printed or blank |
| End bracket                                  |                  |
| Mounting rail<br>according to IEC 60715 Std. |                  |

| <b>MBL.120/10</b><br>Cat. No.                                                                                  | MB300 | MBL.150/12<br>Cat. No.                                                                                           | MB400 |
|----------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------|-------|
|                                                                                                                |       |                                                                                                                  |       |
|                                                                                                                |       |                                                                                                                  |       |
| for cable lugs                                                                                                 |       | for cable lugs                                                                                                   |       |
| 120                                                                                                            |       | 150                                                                                                              |       |
| 30 ÷ 120<br>30 ÷ 150<br>M 10 / M 13 / M 19<br>13<br>10<br>800 V / 269 A<br>600 V / 230 A / -<br>8 KV / 3<br>30 |       | 30 ÷ 150<br>30 ÷ 185<br>M 12 / M 19 / M 19<br>15,8<br>14<br>800 V / 309 A<br>600 V / 285 A / -<br>8 KV / 3<br>30 |       |
| -                                                                                                              |       | -                                                                                                                |       |
| -<br>90 / 39 / 35                                                                                              |       | -<br>90 / 39 / 35                                                                                                |       |
| c <b>RL</b> us                                                                                                 |       | c PL us                                                                                                          |       |

#### c Rus

| Туре                      | Cat. No. | Туре                      | Cat. No. |
|---------------------------|----------|---------------------------|----------|
| DUS/3                     | DUS03    | DUS/3                     | DUS03    |
| SPS/5                     | SPS05    | SPS/5                     | SPS05    |
| PRT/P                     | PRT01    | PRT/P                     | PRT01    |
| CNU/8/51                  | NU0851   | CNU/8/51                  | NU0851   |
| -                         |          | -                         |          |
| CDA/BT                    | CD003    | CDA/BT                    | CD003    |
| -                         |          | -                         |          |
| -                         |          | -                         |          |
| PR/DIN/AC of steel        | PR001    | PR/DIN/AC of steel        | PR001    |
| PR/DIN/AS same with slots | PR004    | PR/DIN/AS same with slots | PR004    |
| PR/DIN/AL of aluminium    | PR002    | PR/DIN/AL of aluminium    | PR002    |
| -                         |          | -                         |          |



# **Earth terminal blocks**

#### with UL94V-0 polyamide insulating body

- to be mounted onto PR/DIN type rails according to IEC 60715 Std., TH/35 and "G32" types
- in a single green / yellow insulating case
- **CESI 02 ATEX 061 U** Ex e I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II

version to be mounted







Version to be mounted onto PR/3 and PR/DIN rails according to IEC 60715 Std.

(\*) with reference to upper and lower clamping units respectively

CBE.2

| CE110 | <b>TEO.4</b> Cat. No. <b>T0430</b>             |
|-------|------------------------------------------------|
|       |                                                |
|       |                                                |
|       | earth<br>4                                     |
|       | 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16              |
| ۱.    | - / - / A4<br>- / - / 20 ÷ 12 AWG / 5,5 lb.in. |
|       | -                                              |
|       | 8 KV / 3                                       |
|       | 14<br>0,5 / 1,2                                |
|       | 52 / 50 / 6,5                                  |
|       | 60 / 50 / 6,5<br>-                             |
| ጫ     | c 🎗 us 🕅 🗱 🚱                                   |

| onto PK/3 rail                                   | <u> </u>                |
|--------------------------------------------------|-------------------------|
| version to be mounted<br>onto PR/DIN rail        | L                       |
| <b>TECHNICAL CHARA</b>                           | CTERISTICS              |
| function / type                                  |                         |
| rated cross-section                              | (mm²)                   |
| connecting capacity                              |                         |
| flexible                                         | (mm²)                   |
| rigid                                            | (mm²)                   |
| max. flexible with ferrule (mm <sup>2</sup> )-fe |                         |
| rated voltage / rated current / gauge            |                         |
| rated voltage / rated current / AWG / tig        |                         |
| (Ex e) rated voltage 💶 / 🦳                       | (V)                     |
| rated impulse withstand voltage / pollu          | ition degree            |
| insulation stripping length                      | (mm)                    |
| tightening torque value (test / max)             | (Nm)                    |
| height / width / thickness                       | TH/35 7,5 mm کے         |
| height / width / thickness                       | <b>└─</b> ∫ TH/35 15 mm |

#### **APPROVALS**

**G**32

height / width / thickness

| ACCESSORIES                               |                  |
|-------------------------------------------|------------------|
| End sections                              | green            |
| Marking tag                               | printed or blank |
| Numbering strip                           |                  |
| End bracket                               |                  |
| Mounting rail according to IEC 60715 Std. |                  |

| TEOLE                                           | Cat. No.               | T0910 | OBLIE                                           | Cat. No.             | C         |
|-------------------------------------------------|------------------------|-------|-------------------------------------------------|----------------------|-----------|
|                                                 |                        |       |                                                 |                      |           |
|                                                 |                        |       |                                                 |                      |           |
| earth                                           |                        |       | earth (2 inpu                                   | ts / 2 outputs)      |           |
| 2,5                                             |                        |       | 2,5                                             |                      |           |
| 0,2 ÷ 4<br>0,2 ÷ 4<br>2,5 - WP25/<br>- / - / A3 | 14<br>AWG / 5,5 lb.in. |       | 0,2 ÷ 4<br>0,2 ÷ 4<br>2,5 - WP25/<br>- / - / A3 | 14<br>+ 14 AWG / 5,5 | 5 lh in   |
| -                                               |                        |       | -                                               |                      | 5 10.111. |
| 8 KV / 3                                        |                        |       | 8 KV / 3                                        |                      |           |
| 12                                              |                        |       | 8 - 14,5 (*)                                    |                      |           |
| 0,4 / 0,8                                       |                        |       | 0,4 / 0,8                                       |                      |           |
| 47 / 50 / 5,5                                   | i                      |       | 52 / 50 / 5                                     |                      |           |
| 55 / 50 / 5,5                                   | i                      |       | 60 / 50 / 5                                     |                      |           |
| -                                               |                        |       | 56 / 50 / 5                                     |                      |           |
|                                                 |                        | ~     |                                                 |                      |           |

**TE0.2** 

Terna

| Keur 🏵        | (Ex) |        |      |
|---------------|------|--------|------|
| Distribuzione | (UL) | c 🐴 us | KEUR |

PR005

| Туре                                                            | Cat. No.             |
|-----------------------------------------------------------------|----------------------|
| TEO.2/PT                                                        | T0911                |
| CNU/8/51<br>CSC                                                 | NU0851<br>CS         |
| -                                                               |                      |
| <b>BTU</b> for PR/DIN and PR/3<br><b>BT/3-BTO</b> for PR/3 only | BT005<br>BT003-BT007 |
|                                                                 |                      |
| PR/3/AC of steel                                                | PR003                |

PR/3/AS same with slots

| Туре                                             | Cat. No.       |
|--------------------------------------------------|----------------|
| CBR/PT                                           | CR111          |
| CNU/8/51                                         | NU0851         |
| CSC                                              | CS             |
| CNU/8/51                                         | NU0851         |
| BTU for PR/DIN and PR/3                          | BT005          |
| BT/3-BTO for PR/3 only                           | BT003-BT007    |
| BT/DIN/PO for PR/DIN only                        | BT001          |
| PR/DIN/AC of steel                               | PR001          |
|                                                  |                |
| PR/DIN/AS same with slots                        | PR004          |
| PR/DIN/AS same with slots PR/DIN/AL of aluminium | PR004<br>PR002 |
|                                                  | 111001         |
| PR/DIN/AL of aluminium                           | PR002          |

1

| C Terna | KEUR<br>Enel<br>Distributione<br>DV 27/7 | (ئى)<br>س |
|---------|------------------------------------------|-----------|
| Turne   | Cat                                      | Ne        |

| туре                                              | Gat. NO.             |
|---------------------------------------------------|----------------------|
| TE0.4/PT                                          | T0431                |
| CNU/8/51<br>CSC                                   | NU0851<br>CS         |
| -                                                 |                      |
| BTU for PR/DIN and PR/3<br>BT/3-BTO for PR/3 only | BT005<br>BT003-BT007 |

| PR/3/AC of steel        | PR003 |
|-------------------------|-------|
| PR/3/AS same with slots | PR005 |

|                                         | MAXIMUM SH                   | ORT-TIME WITHSTAND C                                | JRRENTS ALLOCATED TO THE RAIL PROFI       | LE                                            |
|-----------------------------------------|------------------------------|-----------------------------------------------------|-------------------------------------------|-----------------------------------------------|
| Rail profile                            | Material                     | Equivalent E-cu<br>cross-section<br>mm <sup>2</sup> | Short-time withstand current<br>1 s<br>kA | Thermal rated current<br>of a PEN busbar<br>A |
| "Top hat" rail<br>IEC 60715/TH 15 - 5,5 | Steel<br>Copper<br>Aluminium | 10<br>25<br>16                                      | 1,2<br>3<br>1,92                          | -<br>101<br>76                                |
| G32-type rail<br>IEC 60715/G32          | Steel<br>Copper<br>Aluminium | 35<br>120<br>70                                     | 4,2<br>14,4<br>8,4                        | -<br>269<br>192                               |
| "Top hat" rail<br>IEC 60715/TH 35 - 7,5 | Steel<br>Copper<br>Aluminium | 16<br>50<br>35                                      | 1,92<br>6<br>4,2                          | -<br>150<br>125                               |
| "Top hat" rail<br>IEC 60715/TH 35 - 15  | Steel<br>Copper<br>Aluminium | 50<br>150<br>95                                     | 6<br>18<br>11,4                           | -<br>309<br>232                               |



# **Earth terminal blocks**

# with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II

#### version to be mounted onto PR/3 rail

#### version to be mounted onto PR/DIN rail

#### **TECHNICAL CHARACTERISTICS**

| function / type                                                                                                                                         |                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| rated cross-section                                                                                                                                     | (mm²)                                                    |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe                                                            | (mm²)<br>(mm²)                                           |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig<br>(Ex e) rated voltage /<br>rated impulse withstand voltage / pollu | conf. to IEC 60947-7-1<br>htening torque value UL<br>(V) |
| insulation stripping length<br>tightening torque value (test / max)                                                                                     | (mm)<br>(Nm)                                             |
| height / width / thickness<br>height / width / thickness<br>height / width / thickness                                                                  | ← TH/35 7,5 mm<br>← TH/35 15 mm<br>← G32                 |

#### **APPROVALS**

| ACCESSORIES                               |                  |
|-------------------------------------------|------------------|
| End sections                              | verde            |
| Marking tag                               | printed or blank |
| Numbering strip                           |                  |
| End bracket                               |                  |
| Mounting rail according to IEC 60715 Std. |                  |





| Туре                                             | Cat. No.       |
|--------------------------------------------------|----------------|
| TEO.4/PT                                         | T0431          |
| CNU/8/51                                         | NU0851         |
| CSC                                              | CS             |
| BTU for PR/DIN and PR/3                          | BT005          |
| BT/3-BTO for PR/3 only                           | BT003-BT007    |
| BT/DIN/PO for PR/DIN only                        | BT001          |
| PR/DIN/AC of steel                               | PR001          |
| PR/DIN/AS same with slots PR/DIN/AL of aluminium | PR004<br>PR002 |
|                                                  | 111002         |
|                                                  |                |

| TE.6/0                                                               | Cat. No.        | T0110                              |
|----------------------------------------------------------------------|-----------------|------------------------------------|
| TE.6/D                                                               | Cat. No.        | TE110                              |
|                                                                      |                 |                                    |
| earth<br>6                                                           |                 |                                    |
| 0,5 ÷ 10<br>0,5 ÷ 10<br>6 - WP60/20<br>- / - / A5<br>- / - / 20-8 AV | WG / 13,3 lb.ir | 1                                  |
| -<br>8 KV / 3                                                        |                 |                                    |
| 12                                                                   |                 |                                    |
| 0,8 / 1,4                                                            |                 |                                    |
| 52 / 47 / 8                                                          |                 |                                    |
| 60 / 47 / 8<br>53 / 42 / 8                                           |                 |                                    |
|                                                                      |                 |                                    |
| c <b>FL</b> us                                                       | KEUR            |                                    |
| €2 巻                                                                 |                 | Enel<br>istribuzione<br>IV 27/7 BR |
| Туре                                                                 |                 | Cat. No.                           |
| -                                                                    |                 |                                    |
| CNU/8/51                                                             |                 | NU0851                             |
| CSC                                                                  |                 | CS                                 |
| BTU for PR/DIN                                                       | and PR/3        | BT005                              |
| BT/DIN/PO fo                                                         | ,               | BT001                              |
| BT/3-BTO for<br>PR/DIN/AC of                                         |                 | PR003-BT007<br>PR001               |
| PR/DIN/AC of<br>PR/DIN/AS sa                                         |                 | PR001<br>PR004                     |
| PR/DIN/AL of                                                         |                 | PR002                              |
| PR/3/AC of st                                                        | eel             | PR003                              |

PR005





| TE.10/0                                                                                                          | Cat. No.                                           | T0500                                                    |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|
| TE.10/D                                                                                                          | Cat. No.                                           | TE500                                                    |
|                                                                                                                  |                                                    |                                                          |
| earth<br>10                                                                                                      |                                                    |                                                          |
| 0,5 ÷ 16<br>0,5 ÷ 16<br>10 - WP100/21<br>- / - / B6<br>- / - / 20-8 AW0                                          | G Str. / 13,3                                      | lb.in                                                    |
| 8 KV / 3                                                                                                         |                                                    |                                                          |
| 13<br>1,2 / 1,9<br>55 / 47 / 10<br>63 / 47 / 10<br>56 / 44 / 10                                                  |                                                    |                                                          |
|                                                                                                                  | Kena                                               |                                                          |
| ⑥ 养店                                                                                                             | rna 💥                                              | Enel<br>Distribuzione<br>DV 27/7                         |
| Туре                                                                                                             |                                                    | Cat. No.                                                 |
| -<br>CNU/8/51<br>CSC                                                                                             |                                                    | NU0851<br>CS                                             |
| -<br>BTU for PR/DIN a<br>BT/3-BTO for Pf<br>BT/DIN/PO for F<br>PR/DIN/AC of s<br>PR/DIN/AS sam<br>PR/DIN/AL of a | R/3 only I<br>PR/DIN only<br>teel<br>ne with slots | BT005<br>BT003-BT007<br>BT001<br>PR001<br>PR004<br>PR002 |

PR/3/AS same with slots

PR005

| MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE |                              |                                                     |                                           |                                               |
|---------------------------------------------------------------------|------------------------------|-----------------------------------------------------|-------------------------------------------|-----------------------------------------------|
| Rail profile                                                        | Material                     | Equivalent E-cu<br>cross-section<br>mm <sup>2</sup> | Short-time withstand current<br>1 s<br>kA | Thermal rated current<br>of a PEN busbar<br>A |
| "Top hat" rail<br>IEC 60715/TH 15 - 5,5                             | Steel<br>Copper<br>Aluminium | 10<br>25<br>16                                      | 1,2<br>3<br>1,92                          | -<br>101<br>76                                |
| G32-type rail<br>IEC 60715/G32                                      | Steel<br>Copper<br>Aluminium | 35<br>120<br>70                                     | 4,2<br>14,4<br>8,4                        | -<br>269<br>192                               |
| "Top hat" rail<br>IEC 60715/TH 35 - 7,5                             | Steel<br>Copper<br>Aluminium | 16<br>50<br>35                                      | 1,92<br>6<br>4,2                          | -<br>150<br>125                               |
| "Top hat" rail<br>IEC 60715/TH 35 - 15                              | Steel<br>Copper<br>Aluminium | 50<br>150<br>95                                     | 6<br>18<br>11,4                           | -<br>309<br>232                               |

PR/3/AS same with slots



# **Earth terminal blocks**

### with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- CoC IEC Ex CES 09.0009U Ex e II

| version to be mounted<br>onto PR/3 rail                                            | L.                      |
|------------------------------------------------------------------------------------|-------------------------|
| version to be mounted<br>onto PR/DIN rail                                          | c.                      |
| <b>TECHNICAL CHARA</b>                                                             | CTERISTICS              |
| function / type                                                                    |                         |
| rated cross-section                                                                | (mm²)                   |
| connecting capacity<br>flexible<br>rigid                                           | (mm²)<br>(mm²)          |
| max. flexible with ferrule (mm <sup>2</sup> )-fe                                   | · · · ·                 |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig | conf. to IEC 60947-7-1  |
| (Ex e) rated voltage                                                               | (V)                     |
| rated impulse withstand voltage / pollu                                            | 0                       |
| insulation stripping length                                                        | (mm)                    |
| tightening torque value (test / max)                                               | (Nm)                    |
| height / width / thickness                                                         | TH/35 7,5 mm مــــ      |
| height / width / thickness                                                         | <b>└─</b> J TH/35 15 mm |
| height / width / thickness                                                         | G32                     |

#### **APPROVALS**

| ACCESSORIES                               |                  |
|-------------------------------------------|------------------|
| End sections                              | verde            |
| Marking tag                               | printed or blank |
| Numbering strip                           |                  |
| End bracket                               |                  |
| Mounting rail according to IEC 60715 Std. |                  |





| TE.16/0                                                                   | Cat. No. | T0210   |
|---------------------------------------------------------------------------|----------|---------|
| TE.16/D                                                                   | Cat. No. | TE210   |
|                                                                           |          |         |
| earth<br>16                                                               |          |         |
| 0,5 ÷ 25<br>0,5 ÷ 25<br>16 - WP160/22<br>- / 76 A / B7<br>- / - / 20-3 AW | -        |         |
| -<br>8 KV / 3                                                             |          |         |
| 13                                                                        |          |         |
| 1,8/3<br>56/47/12                                                         |          |         |
| 64 / 47 / 12                                                              |          |         |
| 57,5 / 46,5 / 12                                                          | 2        |         |
|                                                                           | KEUR     |         |
| € 業™                                                                      |          |         |
| Туре                                                                      | C        | at. No. |

| NU0851      |
|-------------|
| CS          |
|             |
| BT005       |
| BT003-BT007 |
| BT001       |
| PR001       |
| s PR004     |
| PR002       |
|             |
|             |
|             |

| TE.50/0                             | Cat. No.       | T0310 |
|-------------------------------------|----------------|-------|
| TE.50/D                             | Cat. No.       | TE310 |
|                                     |                |       |
| earth<br>50                         |                |       |
| 1,5 ÷ 50<br>1 ÷ 70<br>50 - WP500/40 | )              |       |
| - / 125 A / B9<br>- / - / 16-1 AW   | G / 33,2 lb.in |       |
| -<br>8 KV / 3                       |                |       |
| 17                                  |                |       |
| 2,5 / 5                             |                |       |
| 62 / 57 / 18                        |                |       |
| 70 / 57 / 18<br>63 / 57 / 18        |                |       |
| c <b>AL</b> us                      | KEUR           |       |
| €x> ‱                               |                |       |

Without green / yellow insulating case

|                                     |          | 11    |
|-------------------------------------|----------|-------|
| TTN.35                              | Cat. No. | TT300 |
|                                     |          |       |
| earth                               |          |       |
| 35                                  |          |       |
| 1,5 ÷ 50<br>1 ÷ 70<br>35 - WP350/30 |          |       |
| - / 125 A / B9                      |          |       |
| - / - / -                           |          |       |
| -<br>-/3                            |          |       |
|                                     |          |       |
| 15                                  |          |       |

2,5 / 5 --

60 + D / 58 / 11

Cat. No.

NU0851

CS...

BT005

PR004

PR002

PR003

PR005

BT003-BT007 BT001 PR001

| Туре                           | Cat. No.     |
|--------------------------------|--------------|
| -                              |              |
| CNU/8/51<br>CSC                | NU0851<br>CS |
| -                              |              |
| <b>BTU</b> for PR/DIN and PR/3 | BT005        |
| -<br>BT/DIN/PO for PR/DIN only | BT001        |
| PR/DIN/AC of steel             | PR001        |
| PR/DIN/AS same with slots      | PR004        |
| PR/DIN/AL of aluminium         | PR002        |
| -                              |              |
| -                              |              |

| MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE |                              |                                                     |                                           |                                               |
|---------------------------------------------------------------------|------------------------------|-----------------------------------------------------|-------------------------------------------|-----------------------------------------------|
| Rail profile                                                        | Material                     | Equivalent E-cu<br>cross-section<br>mm <sup>2</sup> | Short-time withstand current<br>1 s<br>kA | Thermal rated current<br>of a PEN busbar<br>A |
| "Top hat" rail<br>IEC 60715/TH 15 - 5,5                             | Steel<br>Copper<br>Aluminium | 10<br>25<br>16                                      | 1,2<br>3<br>1,92                          | -<br>101<br>76                                |
| G32-type rail<br>IEC 60715/G32                                      | Steel<br>Copper<br>Aluminium | 35<br>120<br>70                                     | 4,2<br>14,4<br>8,4                        | -<br>269<br>192                               |
| "Top hat" rail<br>IEC 60715/TH 35 - 7,5                             | Steel<br>Copper<br>Aluminium | 16<br>50<br>35                                      | 1,92<br>6<br>4,2                          | -<br>150<br>125                               |
| "Top hat" rail<br>IEC 60715/TH 35 - 15                              | Steel<br>Copper<br>Aluminium | 50<br>150<br>95                                     | 6<br>18<br>11,4                           | -<br>309<br>232                               |

Туре

CSC

CNU/8/51

BTU for PR/DIN and PR/3

BT/3-BTO for PR/3 only

PR/DIN/AL of aluminium

PR/3/AS same with slots

PR/3/AC of steel

BT/DIN/PO for PR/DIN only PR/DIN/AC of steel PR/DIN/AS same with slots

- feed-through
- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- to be mounted onto PR/3 according to IEC 60715 Std., "TH/35" type

| The /GR tag indicates th | e grey colour version. |
|--------------------------|------------------------|
|--------------------------|------------------------|

| grey versi                                                                                                                                                  | ion                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| beige vers                                                                                                                                                  | sion                                          |
| (Ex)i vers                                                                                                                                                  | ion                                           |
| TECHNICAL CHARA                                                                                                                                             | CTERISTICS                                    |
| function / type<br>rated cross-section<br>connecting capacity<br>flexible<br>rigid                                                                          | (mm²)<br>(mm²)<br>(mm²)                       |
| max. flexible with ferrule (mm <sup>2</sup> )-fe<br>rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig<br>max current (***) | conf. to IEC 60947-7-1                        |
| (Ex e) rated voltage / ~<br>rated impulse withstand voltage / pollu                                                                                         | (V)<br>ution degree                           |
| insulation stripping length<br>tightening torque value (test / max)<br>height / width / thickness<br>height / width / thickness                             | (mm)<br>(Nm)<br>r TH/35 7,5 mm<br>TH/35 15 mm |

#### **APPROVALS**

| ACCESSO                                                              | RIES                        |
|----------------------------------------------------------------------|-----------------------------|
| End sections                                                         | grey<br>beige<br>blue       |
| Permanent cross connection<br>(intrinsically IPXXB protected once n  | nounted)                    |
| Rated current carrying capacity of ju                                |                             |
| Cross-connection identification strip<br>Switchable cross connection | (100 mm) green              |
| Multiple common bar                                                  | 250 mm                      |
| Shunting screw and sleeve                                            |                             |
| Coloured partition                                                   | red, green, white           |
| Cross connection barrier (upper leve                                 | el) red                     |
| Cross connection barrier (lower leve                                 | l) red                      |
| Test plug socket                                                     |                             |
| Test plug                                                            |                             |
| Modular test plug                                                    |                             |
| End section for modular test plug                                    |                             |
| Numbering strip                                                      | P 11 1 1 1 1 1              |
| Warning plate                                                        | on adjacent terminal blocks |
| Cover for cross-connection                                           |                             |
| Marking tag                                                          | printed or blank            |
| End bracket                                                          |                             |
| Mounting rail                                                        |                             |
| according to IEC 60715 Std.                                          |                             |
|                                                                      | ~r                          |



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#### 8 KV / 3

9 0,4/0,8 66 / 70 / 5 74/70/5

### 

| ATEX Ex e and IEC Ex p                                               | ending                        |                |
|----------------------------------------------------------------------|-------------------------------|----------------|
| Туре                                                                 | Cat. No.                      | Ty             |
| DBC/PT/GR<br>DBC/PT<br>DBC/PT (Ex)i                                  | DB101GR<br>DB101<br>DB201     | Di<br>Di<br>Di |
| PTC/2/02 poles<br>PTC/2/03 poles<br>PTC/2/05 poles                   | PTC0202<br>PTC0203<br>PTC0205 | PT<br>PT<br>PT |
| PTC/2/10 poles<br>PTC/2/00 (50 poles)<br>24                          | PTC0210<br>PTC0200            | P<br>P<br>24   |
| PTC/SP<br>-<br>-                                                     | PTC0990                       | P<br>-<br>-    |
| -<br>DFU/7<br>DFM/800 - DFM/900                                      | DU07<br>DF800-900             | -<br>Di<br>Di  |
| DFM/500<br>-<br>-                                                    | DF500                         | DI<br>-<br>-   |
| -<br>-<br>CNU/8/51                                                   | NU0851                        | -<br>-<br>Ci   |
| -                                                                    |                               | -              |
| CNU/8/51<br>BTU for PR/DIN and PR/3<br>BTO for PR/3 only<br>-        | NU0851<br>BT005<br>BT007      | CI<br>B'<br>B' |
| <b>PR/3/AC</b> for PR/DIN and PR/3<br><b>PR/3/AS</b> same with slots | PR003<br>PR005                | Pi<br>Pi       |

500 Cat. No. DB117GR **DB117** 2 level feed-through with internal cross-connection

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# 0,2 ÷ 4 2,5 - WP25/14 630 V / 24 A / A3 600 V / 20 A / 28-12 AWG / 8 lb.in 27 A (2,5 mm<sup>2</sup>) / 34 A (4 mm<sup>2</sup>)

8 KV / 3 9

0,4/0,8 66 / 70 / 5 74/70/5

| Туре                                                                 | Cat. No.                                 |
|----------------------------------------------------------------------|------------------------------------------|
| DBC/PT/GR<br>DBC/PT<br>DBC/PT (Ex)i                                  | DB101GR<br>DB101<br>DB201                |
| PTC/2/02 poles<br>PTC/2/03 poles<br>PTC/2/05 poles<br>PTC/2/10 poles | PTC0202<br>PTC0203<br>PTC0205<br>PTC0210 |
| PTC/2/00 (50 poles)<br>24                                            | PTC0200                                  |
| PTC/SP                                                               | PTC0990                                  |
| -                                                                    |                                          |
| DFU/7<br>DFM/800 - DFM/900<br>DFM/500                                | DU07<br>DF800-900<br>DF500               |
| -<br>-                                                               | DI 300                                   |
|                                                                      |                                          |
| CNU/8/51<br>-<br>-                                                   | NU0851                                   |
| -<br>CNU/8/51                                                        | NU0851                                   |
| BTU for PR/DIN and PR/3<br>BTO for PR/3 only                         | BT005<br>BT007                           |
| -                                                                    |                                          |
| <b>PR/3/AC</b> for PR/DIN and PR/3<br><b>PR/3/AS</b> same with slots | PR003<br>PR005                           |

- between lower levels (with partition) (\*)
- (\*\*) between upper levels (with partition) (\*\*\*) value referred to the characteristics of the terminal block alone, within the temperature range according to IEC

60947-7-1 Std.

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- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour versions
- universal mounting onto IEC 60715 rails
- DAS.4 terminal block CESI 03 ATEX 162 U Ex e (Ex) certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C





• when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14

#### The /GR tag indicates the grey colour version.

| grey version                                                                                                   |                                 |  |
|----------------------------------------------------------------------------------------------------------------|---------------------------------|--|
| beige version                                                                                                  |                                 |  |
| (Ex)i version                                                                                                  |                                 |  |
| TECHNICAL CHARAC                                                                                               | CTERISTICS                      |  |
| function / type<br>rated cross-section<br>connecting capacity                                                  | (mm²)                           |  |
| flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-ferr                                        | (mm²)<br>(mm²)                  |  |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tigh<br>(Ex e) rated voltage /r | conf. to IEC 60947-7-1          |  |
| rated impulse withstand voltage / polluti                                                                      | ion degree                      |  |
| insulation stripping length<br>tightening torque value (test / max)                                            | (mm)<br>(Nm)                    |  |
| height / width / thickness<br>height / width / thickness                                                       | · TH/35 7,5 mm<br>─ TH/35 15 mm |  |
| height / width / thickness                                                                                     | ☐ G32                           |  |

#### **APPROVALS**

| ACCESSORIES                                    |                       |
|------------------------------------------------|-----------------------|
| End sections                                   | grey<br>beige<br>blue |
| Permanent cross connection                     |                       |
| Rated current carrying capacity of jumper      | (A)                   |
| Cross-connection identification strip (100 mm) | green                 |
| Switchable cross connection                    |                       |
| Multiple common bar                            | 250 mm                |
| Shunting screw and sleeve (same, Ex e version) |                       |
| Coloured partition                             | red, green, white     |
| Cross connection barrier                       | red                   |
| Test plug socket                               |                       |
| Test plug                                      |                       |
| Modular test plug                              |                       |
| End section for modular test plug              |                       |
| Numbering strip                                |                       |
| Shunting screw and sleeve                      |                       |
| Cover for cross-connection                     |                       |
| Marking tag                                    | printed or blank      |
| End bracket                                    |                       |
| Mounting rail according to IEC 60715 Std.      |                       |
|                                                | л с                   |

| 2/10/1/ 011                                                                                             | Cat. No. | DS100GR     |
|---------------------------------------------------------------------------------------------------------|----------|-------------|
| DAS.4                                                                                                   |          |             |
|                                                                                                         | Cat. No. | DS100       |
| DAS.4 (Ex                                                                                               |          |             |
|                                                                                                         | Cat. No. | DS200       |
|                                                                                                         |          |             |
| 2 level feed-thro                                                                                       | ough     |             |
| 4                                                                                                       | -        |             |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>630 V / 32 A / /<br>600 V / 20 A / 2<br>400 / 400<br>8 KV / 3<br>9 |          | / 8,9 lb.in |
| 0,5 / 1,2                                                                                               |          |             |
| 62 / 64 / 6                                                                                             |          |             |
| 70 / 64 / 6                                                                                             |          |             |
| 66 / 64 / 6                                                                                             |          |             |
|                                                                                                         |          |             |

DAS.4/GR

|                                   | Gal. INO.                                                                                                                                                      | D911/0K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DAS.4/CI                          | Cat. No.                                                                                                                                                       | DS117                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DAS.4/CI                          | <b>(Ex)i</b><br>Cat. No.                                                                                                                                       | DS217                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                   |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| feed-through equipp               | ed with internal c                                                                                                                                             | ross-connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4                                 |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16 |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 630 V / 32 A / /                  | A4                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| -                                 |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 8 KV / 3                          |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 9                                 |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 0,5 / 1,2                         |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 62 / 64 / 6                       |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 70 / 64 / 6                       |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 66 / 64 / 6                       |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                   | DAS.4/CI<br>feed-through equipp<br>4<br>0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>630 V / 32 A / .<br>-<br>8 KV / 3<br>9<br>0,5 / 1,2<br>62 / 64 / 6<br>70 / 64 / 6 | DAS.4/CI<br>Cat. No.<br>DAS.4/CI (EX)i<br>Cat. No.<br>$(2 \div 6)$<br>$(2 \div 6)$<br>$(3 \odot V / 32 A / A4)$<br>(- 3)<br>$(2 \div 6)$<br>$(3 \odot V / 32 A / A4)$<br>(- 3)<br>$(3 \odot V / 3)$<br>$(3 \odot V / 3)$ |

DAS.4/CI/GR

Cat. No. DS117GR

### 

IEC Ex pending

| ILO EX perior                    | iig           |     |
|----------------------------------|---------------|-----|
| Туре                             | Cat. No.      | Тур |
| DAS/PT/GR                        | DS101GR       | DAS |
| DAS/PT                           | DS101         | DAS |
| DAS/PT (Ex)i                     | DS201         | DAS |
| PM/41/2 poles                    | PM412         | PM/ |
| PM/51/3 poles                    | PM513         | PM/ |
| PM/51/5 poles                    | PM515         | PM/ |
| PM/51/10 poles                   | PM510         | PM/ |
| 32                               |               | 32  |
| -                                |               | -   |
| P0S/43                           | POS43         | POS |
| PMP/58                           | PMP58         | PMF |
| CPM/01 (CPX/01)                  | CPM01 (CPX01) | CPN |
| DFU/7                            | DU07          | DFU |
| -                                |               | -   |
| PSD/A                            | PD001         | PSD |
| SDD/1                            | DD001         | SDD |
|                                  |               | -   |
| -                                |               | -   |
| CNU/8/61                         | NU0861        | CNU |
| DAS/VCI                          | DS107         | -   |
| DAS/VCE                          | DS108         | DAS |
| PRP/5                            | PBP05         | PRP |
| CNU/8/61                         | NU0861        | CNU |
| <b>BTU</b> for PR/DIN and PR/3   | BT005         | BTU |
| BT/DIN/PO for PR/DIN only        |               | BT/ |
| BT/3-BTO for PR/3 only           | BT003-BT007   | BT/ |
| PR/DIN/AC of steel               | PR001         | PR/ |
| PR/DIN/AS same with slot         |               | PR/ |
| PR/DIN/AL of aluminium           | PR002         | PR/ |
| <b>PR/3/AC</b> for PR/DIN and PF |               | PR/ |
| PR/3/AS same with slots          | PR005         | PR/ |
|                                  |               |     |

| DAS.4                                                                                                                         |                                             |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Туре                                                                                                                          | Cat. No.                                    |
| DAS/PT/GR<br>DAS/PT<br>DAS/PT (Ex)i<br>PM/41/2 poles<br>PM/51/3 poles                                                         | DS101GR<br>DS101<br>DS201<br>PM412<br>PM513 |
| PM/51/5 poles<br>PM/51/10 poles<br>32                                                                                         | PM515<br>PM510                              |
| -<br>POS/43<br>PMP/58                                                                                                         | POS43<br>PMP58                              |
| CPM/01 (CPX/01)<br>DFU/7                                                                                                      | CPM01 (CPX01)<br>DU07                       |
| PSD/A<br>SDD/1<br>-                                                                                                           | PD001<br>DD001                              |
| -<br>CNU/8/61<br>-                                                                                                            | NU0861                                      |
| DAS/VCE<br>PRP/5<br>CNU/8/61                                                                                                  | DS108<br>PRP05<br>NU0861                    |
| BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN or<br>BT/3-BTO for PR/3 only                                                  | BT003-BT007                                 |
| PR/DIN/AC of steel<br>PR/DIN/AS same with sk<br>PR/DIN/AL of aluminium<br>PR/3/AC for PR/DIN and I<br>PR/3/AS same with slots | PR002                                       |
| THOMAS Same with SIOLS                                                                                                        | FNUUJ                                       |

Approvals referred to terminal block type

• feed-through with solder lugs

The /GR tag indicates the grey colour version.

- with upper disconnect lever
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours





with 2.8 x 0.8 mm solder lugs

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

(\*) position of solder lugs (\*\*) max. on lug

value referred to the staggered (\*\*\*) referring respectively to upper and lower levels

| grey version                                |                        |  |
|---------------------------------------------|------------------------|--|
| beige versie                                | on                     |  |
| (Ex)i versio                                | n                      |  |
| TECHNICAL CHARAC                            | TERISTICS              |  |
| function / type                             |                        |  |
| rated cross-section                         | (mm²)                  |  |
| connecting capacity                         | (                      |  |
| flexible<br>rigid                           | (mm²)<br>(mm²)         |  |
| max. flexible with ferrule (mm²)-ferru      | · /                    |  |
| rated voltage / rated current / gauge       |                        |  |
| rated voltage / rated current / AWG / tight |                        |  |
| (Ex e) rated voltage / ~                    | (V)                    |  |
| rated impulse withstand voltage / pollution | on degree              |  |
| insulation stripping length                 | (mm)                   |  |
| tightening torque value (test / max)        | (Nm)                   |  |
| height / width / thickness                  | <b>۰ ۲</b> H/35 7,5 mm |  |

#### **APPROVALS**

\_\_\_\_\_TH/35 15 mm

**\_\_** G32

height / width / thickness

height / width / thickness

| ACCESSORIES                                                                  |                       |
|------------------------------------------------------------------------------|-----------------------|
| End sections                                                                 | grey<br>beige<br>blue |
| Permanent cross connection<br>(* intrinsically IPXXB protected once mounted) |                       |
| Rated current carrying capacity of jumper                                    | (A)                   |
| Cross-connection identification strip (100 mm)                               | green                 |
| Switchable cross connection                                                  |                       |
| Multiple common bar                                                          | 250 mm                |
| Shunting screw and sleeve                                                    |                       |
| Coloured partition                                                           | red, green, white     |
| Cross connection barrier                                                     | red                   |
| Test plug socket                                                             |                       |
| Test plug                                                                    |                       |
| Modular test plug                                                            |                       |
| End section for modular test plug                                            |                       |
| Numbering strip                                                              |                       |
| Fuse                                                                         |                       |
| Cover for cross-connection                                                   |                       |
| Marking tag                                                                  | printed or blank      |
| End bracket                                                                  |                       |
| Mounting rail according to IEC 60715 Std.                                    |                       |
|                                                                              | <b>ب</b>              |

| DA2.4/22/                    |                | DOLLOOD |
|------------------------------|----------------|---------|
| D10 4/00                     | Cat. No.       | DS110GR |
| DAS.4/SS                     |                |         |
|                              | Cat. No.       | DS110   |
|                              |                |         |
|                              |                |         |
|                              |                |         |
| food the second south        | h a sheka u ku |         |
| feed-through wit             | n solder lu    | igs     |
| 4                            |                |         |
| 0,2 ÷ 6                      |                |         |
| $0,2 \div 0$<br>$0,2 \div 6$ |                |         |
| 4 - WP40/16                  |                |         |
| 320 V - 500 V (*             | ) / 20 A (*    | *) / A4 |
| -                            | ,, 20,(        | ,,,     |
| -                            |                |         |
| 4 KV / 3                     |                |         |
| 9                            |                |         |
| 0,5 / 1,2                    |                |         |
| 62 / 80 / 6                  |                |         |
| 70 / 80 / 6                  |                |         |
| 66 / 80 / 6                  |                |         |
|                              |                |         |

Approvals referred to terminal block type DAS.4

| Туре                                                                       | Cat. No.                         |
|----------------------------------------------------------------------------|----------------------------------|
| DAS/PT/GR<br>DAS/PT                                                        | DS101GR<br>DS101                 |
| PM/41/2 poles<br>PM/51/3 poles<br>PM/51/5 poles<br>PM/51/10 poles          | PM412<br>PM513<br>PM515<br>PM510 |
| 32                                                                         |                                  |
| -<br>POS/43<br>PMP/58                                                      | POS43<br>PMP58                   |
| CPM/01 (CPX/01) CF                                                         | PM01 (CPX01)                     |
| -                                                                          | 0007                             |
| PSD/A                                                                      | PD001                            |
| SDD/1                                                                      | DD001                            |
| -                                                                          |                                  |
| CNU/8/61                                                                   | NU0861                           |
| PRP/5                                                                      | PRP05                            |
| CNU/8/51                                                                   | NU0851                           |
| BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3 for PR/3 only | BT005<br>BT001<br>BT003          |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots<br>PR/DIN/AL of aluminium  | PR001<br>PR004<br>PR002          |
| PR/3/AC for PR/DIN and PR/3<br>PR/3/AS same with slots                     | 8 PR003<br>PR005                 |

| DSS.4/GR                            | Cat. No.   | DS400GR        |
|-------------------------------------|------------|----------------|
| DSS.4                               | Cat. No.   | DS400          |
|                                     |            |                |
|                                     |            |                |
| with upper discon                   | nect level |                |
| 4                                   |            |                |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16   |            |                |
| 400 V / 24-32 (*<br>300 V / 24-32 A | ,          | VG / 4,4 lb.in |
| -                                   |            |                |
| 6 KV / 3<br>9                       |            |                |
| 9<br>0,5 / 1,2                      |            |                |
| 62 / 78 / 6                         |            |                |
| 70 / 78 / 6                         |            |                |
| 66 / 78 / 6                         |            |                |
|                                     |            |                |

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Cat. No.

DS301GR

PTC0402 PTC0403

PTC0405

PTC0410

PTC0400

DU07..

DF500

NU0861

NU0851

BT005

BT001

PR001

PR004

PR002

PR005

BT003-BT007

PTC0990

DS301

**R**US

Туре DSS/PT/GR

32 PTC/SP

-DFU/7

-

DFM/500

CNU/8/61

CNU/8/51

BTU for PR/DIN and PR/3

BT/DIN/PO for PR/DIN only

BT/3-BTO for PR/3 only

PR/DIN/AS same with slots

PR/3/AC for PR/DIN and PR/3 PR003 PR/3/AS same with slots

PR/DIN/AL of aluminium

PR/DIN/AC of steel

DSS/PT

PTC/4/02 poles (\*)

PTC/4/03 poles (\*) PTC/4/05 poles (\*)

PTC/4/10 poles (\*)

PTC/4/00 (42 poles) (\*)



terminal block type DSS.4 with lever up and PTC/4 cross connections inserted on both levels.

- with push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours





6,3 x 0,8 mm or 2,8 x 0,8 mm, push-on connections conf. to IEC 60760

Cat. No. FF100GR

t. No.

19.44

FFS.4/GR



FVS/VCI - Cat. No. FV107 Shunting screws and sleeves for internal connection between the front and rear conducting bodies of terminal block type FVS.4



FVS/VCE - Cat. No. FV108 Screw and sleeve that, in addition to internal connection, allows to perform with the addition of PMP bar, adjoining cross-connections



VCI internal cross connection

PMP bar (to be added to VCE)



VCE internal + front adjoining cross-connection



VCI + PM parallelo interno + contiguo posteriore

The /GR tag indicates the grey colour version.

| grey versi                                                                                                                                                    | ion                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| beige vers                                                                                                                                                    | sion                                               |
| (Ex)i vers                                                                                                                                                    | ion                                                |
| TECHNICAL CHARA                                                                                                                                               | CTERISTICS                                         |
| function / type<br>rated cross-section<br>connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe                        |                                                    |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig<br>(Ex e) rated voltage /r<br>rated impulse withstand voltage / pollu      | htening torque value UL<br>(V)                     |
| insulation stripping length<br>tightening torque value (test / max)<br>height / width / thickness<br>height / width / thickness<br>height / width / thickness | (mm)<br>(Nm)<br>TH/35 7,5 mm<br>TH/35 15 mm<br>G32 |

#### **APPROVALS**

| ACCESSORIES                               |                       |
|-------------------------------------------|-----------------------|
| End sections                              | grey<br>beige<br>blue |
| Permanent cross connection                |                       |
| Rated current carrying capacity of jumper | (A)                   |
| Switchable cross connection               |                       |
| Multiple common bar                       | 250 mm                |
| Shunting screw and sleeve                 |                       |
| Coloured partition                        | red, green, white     |
| Cross connection barrier                  | red                   |
| Test plug socket                          |                       |
| Test plug                                 |                       |
| Modular test plug                         |                       |
| End section for modular test plug         |                       |
| Numbering strip                           |                       |
| Shunting screw and sleeve                 |                       |
| Cover for cross-connection                |                       |
| Marking tag                               | printed or blank      |
| End bracket                               |                       |
|                                           |                       |
| Mounting rail                             |                       |
| according to IEC 60715 Std.               |                       |
|                                           |                       |

|                                             | Ual. NU.   | I VIUUUII    |                                             | Ual. NU.            | TTTUUUM        |
|---------------------------------------------|------------|--------------|---------------------------------------------|---------------------|----------------|
| FVS.4                                       | Cat. No.   | FV100        | FFS.4                                       | Cat. No.            | FF100          |
|                                             |            |              |                                             |                     |                |
|                                             |            |              |                                             |                     |                |
| for overlapped<br>4                         | l circuits |              | for overlapped<br>4                         | l circuits in stag  | gered position |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16           |            |              | 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16           |                     |                |
| 320 V / 20 A /<br>600 V / 20 A /            |            | / 8,9 lb.in. | 320 V / 20 A<br>600 V / 20 A                | / A4<br>/ 20-10 AWG | / 8,9 lb.in.   |
| -                                           |            |              | -                                           |                     |                |
| 6 KV / 3<br>12                              |            |              | 6 KV / 3<br>12                              |                     |                |
| 0,8 / 1,2<br>69 / 64 / 6,5<br>77 / 64 / 6,5 |            |              | 0,8 / 1,2<br>69 / 64 / 6,5<br>77 / 64 / 6,5 | ;                   |                |
| 73 / 64 / 6,5                               |            |              | 73 / 64 / 6,5                               |                     |                |
|                                             | K          |              | c <b>RN</b> us                              | 🛞 K                 |                |

Cat No FV100GR

FVS.4/GR

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|                     |               |                | BR   |
|---------------------|---------------|----------------|------|
| Туре                |               | Cat. N         | 0.   |
| FVS/PT/GR<br>FVS/PT |               | FV101<br>FV101 | GR   |
| 32                  |               |                |      |
| 52<br>POS/72        |               | POS72          |      |
| P05/72<br>PMP/42    |               | PMP42          |      |
| CPM/01 (CPX         | /01) (        | CPM01 (CF      | -    |
| DFU/6               | <b>/01)</b> ( | DU06.          | -V01 |
| DF0/0               |               | D000           |      |
| PSD/A               |               | PD001          |      |
| SDD/1               |               | DD001          |      |
| 300/1               |               | 00001          |      |
| -                   |               |                |      |
| -                   |               |                |      |
| FVS/VCI             |               | FV107          |      |
| FVS/VCE             |               | FV107          |      |
| PRP/6               |               | PRP06          |      |
| CNU/8/51            |               | NU085          |      |
| BTU for PR/DIN      | and PR/3      | BT005          |      |
| BT/DIN/PO for       | PR/DIN only   | BT001          |      |
| BT/3-BTO for I      | PR/3 only     | BT003-B        | T007 |
| PR/DIN/AC of        | steel         | PR001          |      |
| PR/DIN/AS sat       | me with slots | PR004          |      |
| PR/DIN/AL of        | aluminium     | PR002          |      |
| PR/3/AC for PF      |               |                |      |
| PR/3/AS same        | with slots    | PR005          |      |

| c <b>FN</b> us      | æ | Keur         |
|---------------------|---|--------------|
| Туре                |   | Cat          |
| FFS/PT/GR<br>FFS/PT |   | FF10<br>FF10 |

| FFS/PT/GR<br>FFS/PT | FF101GR<br>FF101 |
|---------------------|------------------|
|                     |                  |
| 32                  |                  |
| P0S/72              | POS72            |
| PMP/42              | PMP42            |

3 P

| CPM/01 (CPX/01) | CPM01 (CPX01) |
|-----------------|---------------|
| -               |               |
| -               |               |
| PSD/A           | PD001         |
| SDD/1           | DD001         |
|                 |               |

PRP/6 PRP06 CNU/8/51 NU0851 BTU for PR/DIN and PR/3 BT005 BT/DIN/PO for PR/DIN only BT001 BT/3-BTO for PR/3 only BT003-BT007 PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002 PR/3/AC for PR/DIN and PR/3 PR003 PR/3/AS same with slots PR005

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- three level for sensors
- with LOCK system
- suited for LED indication

The /GR tag indicates the grey colour version

- to be mounted onto PR/3 type rails according to IEC 60715 Std., "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours





TLS.2/1

Cat. No. TL100GR

5.2/GR

**. C.** ....

TIS 2/1

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LOCK system

#### TLS.2/T Cat. No. TL120 (with green LED between upper and intermediate levels) TLS.2/U Cat. No. TL110 (with green LED between upper and lower levels)

| grey vers                                                                                    | ion                    | TLS                     |
|----------------------------------------------------------------------------------------------|------------------------|-------------------------|
| beige vers                                                                                   | sion                   | TLS                     |
| (Ex)i vers                                                                                   | ion                    |                         |
| TECHNICAL CHARA                                                                              | CTERISTICS             |                         |
| function / type                                                                              |                        | three                   |
| rated cross-section                                                                          | (mm²)                  | 2,5                     |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe | (mm²)<br>(mm²)         | 0,2 ÷<br>0,2 ÷<br>2,5 - |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig           | conf. to IEC 60947-7-1 | 250 V<br>600 V          |
| (Ex e) rated voltage /                                                                       | (V)                    | -                       |
| rated impulse withstand voltage / poll                                                       | ution degree           | 4 KV /                  |
| insulation stripping length                                                                  | (mm)                   | 8                       |
| tightening torque value (test / max)                                                         | (Nm)                   | 0,4 /                   |
| height / width / thickness                                                                   | TH/35 7,5 mm           | 52/6                    |
| height / width / thickness                                                                   | TH/35 15 mm            | 60 / 6                  |
| height / width / thickness                                                                   | G32                    | -                       |

#### **APPROVALS**

| ACCESS                             | ORIES                       |
|------------------------------------|-----------------------------|
| End sections                       | grey<br>beige<br>blue       |
| Permanent cross connection         |                             |
| Rated current carrying capacity of | jumper (A)                  |
| Switchable cross connection        |                             |
| Multiple common bar                | 250 mm                      |
| Shunting screw and sleeve          |                             |
| Coloured partition                 | red, green, white           |
| Cross connection barrier           | red                         |
| Test plug socket                   |                             |
| Test plug                          |                             |
| Modular test plug                  |                             |
| End section for modular test plug  |                             |
| Numbering strip                    |                             |
| Warning plate                      | on adjacent terminal blocks |
| Cover for cross-connection         |                             |
| Marking tag                        | printed or blank            |
| End bracket                        |                             |
| Mounting rail                      |                             |
| according to IEC 60715 Std.        |                             |
|                                    | <u>``</u>                   |

|                                                                             | 041.110. | TETODAN     |
|-----------------------------------------------------------------------------|----------|-------------|
| TLS.2                                                                       | Cat. No. | TL100       |
|                                                                             |          |             |
|                                                                             |          |             |
| three level - for 2,5                                                       | sensors  |             |
| 0,2 ÷ 4<br>0,2 ÷ 4<br>2,5 - WP25/14<br>250 V / 24 A / A<br>600 V / 15 A / 2 |          | ′ 3,5 lb.in |
| -<br>4 KV / 3                                                               |          |             |
| 8<br>0,4 / 0,8                                                              |          |             |
| 52 / 62,5 / 6,2                                                             |          |             |
| -                                                                           |          |             |

| C THE US                                                                                     |                                                            |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Туре                                                                                         | Cat. No.                                                   |
| TLS/PT/GR<br>TLS/PT                                                                          | TL101GR<br>TL101                                           |
| PM/20/2 poles<br>PM/30/3 poles<br>PM/30/5 poles<br>PM/30/10 poles<br>24                      | PM202<br>PM303<br>PM305<br>PM310                           |
| POS/41<br>PMP/02<br>CPM/21<br>DFU/3<br>DFM/400<br>PSD/D<br>SDD/1                             | POS41<br>PMP02<br>CPM21<br>DU03<br>DF400<br>PD004<br>DD001 |
| -<br>PRP/5<br>CNU/8/51<br>BTU for PR/DIN and PR/3<br>BTO for PR/3 only<br>BT/3 for PR/3 only | PRP05<br>NU0851<br>BT005<br>BT007<br>BT003                 |
| PR/3/AC for PR/DIN and F<br>PR/3/AS same with slots                                          | PR/3 PR003<br>PR005                                        |

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For the installation on limited longitudinal space where high density wiring is needed together with reliable insulation, special feed-through two/three level terminal blocks are available. The three level terminal blocks are suitable for circuits which are to be used and connected with specific equipment, as for example proximity sensors. In fact with the combined use of TLS.2 and TLD.2 terminal block, both the feeding and the signal carrying conductors of the proximity sensors can be economically and efficiently connected.

Particularly in the TLS.2 terminal block, the intermediate and lower levels can be used to feed the sensors in d.c.; the feeding is distributed on the adjoining elements of the terminal board by means of a special **LOCK** connection system.

The above mentioned conducting bodies have a fork, pointed towards the exterior of the terminal block, which connects to the homologous element of the adjoining terminal block. The tightening of the resulting electrical contact is by means of a screw, already inserted in the threaded hole of the conducting bodies.

The LOCK system, above described, allows the connection of positive and negative poles, without the use of any other parallel cross connection. The conductors carrying the return signal from the sensor is connected to the upper feed-through level; the insertion, in the appropriate grooving of **PRP/5** coloured covers avoids any possible contact with the live parts, and allows an immediate identification of the polarity (Red for +, Blue for -).

TLD.2 terminal block is perfectly compatible with the TLS.2 for the connection of proximity sensors, as it has the same electrical and mechanical characteristics. Two of six tightening units can be connected to the sensor feeding cables and distribute the power supply to the other sensors.

The cross-connection between the intermediate and lower levels of these terminal blocks to the contiguous ones of the TLS.2 can be performed by means of the two screws provided in the fork type conducting bodies of the TLS.2 – the first of the series – free from whatever connection: between the TLD.2 and TLS.2 terminal blocks a TLD/PI intermediate end section must be interposed, to ensure electric insulation of the TLD.2 terminal block conducting parts, which otherwise would be uncovered.

TLD.2 terminal block can also be used for other connecting applications, in other types of circuits.



- 3 feed-through levels
- 3 levels + earth connection
- to be mounted onto TH 35-7,5 and TH 35-15 type rails according to IEC 60715 Std.
- available in grey RAL 7042 and beige RAL 1001 colours



with earth connection on lower level





with earth connection on lower level and feed-through on intermediate and upper levels

The /GR tag indicates the grey colour version.

| grey vers                                                                                                                                                     | ion                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| beige ver                                                                                                                                                     | sion                                                       |
| (Ex)i vers                                                                                                                                                    | sion                                                       |
| <b>TECHNICAL CHAR</b>                                                                                                                                         | ACTERISTICS                                                |
| function / type<br>rated cross-section<br>connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-                          | (mm²)<br>(mm²)<br>(mm²)                                    |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / t<br>(Ex e) rated voltage /<br>rated impulse withstand voltage / pol           | conf. to IEC 60947-7-1<br>ightening torque value UL<br>(V) |
| insulation stripping length<br>tightening torque value (test / max)<br>height / width / thickness<br>height / width / thickness<br>height / width / thickness | (mm)<br>(Nm)                                               |

#### **APPROVALS**

| ACCESSO                                                              | RIES                        |
|----------------------------------------------------------------------|-----------------------------|
| End sections                                                         | grey<br>beige<br>intermedio |
| Permanent cross connection                                           |                             |
| Rated current carrying capacity of ju<br>Switchable cross connection | umper (A)                   |
| Multiple common bar<br>Shunting screw and sleeve                     | 250 mm                      |
| Coloured partition                                                   | red, green, white           |
| Cross connection barrier                                             | red                         |
| Test plug socket                                                     |                             |
| Test plug                                                            |                             |
| Modular test plug                                                    |                             |
| End section for modular test plug                                    |                             |
| Numbering strip<br>Warning plate                                     | on adjacent terminal blocks |
| warning plate                                                        | un aujacent terminar biocks |
| Cover for cross-connection                                           |                             |
| Marking tag                                                          | printed or blank            |
| End bracket                                                          |                             |
| Mounting rail according to IEC 60715 Std.                            |                             |

#### (\*): 24 A factory wiring only

| (). 2471 100101 y                                                         | ining only      |                |
|---------------------------------------------------------------------------|-----------------|----------------|
| TLE.2/GR                                                                  |                 | TL400GR        |
| TLE.2                                                                     | Cat. No.        | TL400          |
|                                                                           |                 |                |
|                                                                           |                 |                |
| 2 levels + earth<br>2,5                                                   | n for actuators | 3              |
| 0,2 ÷ 4<br>0,2 ÷ 4<br>2,5 - WP25/14<br>250 V / 24 A /<br>600 V / 20 A (*) | A3              | /G / 3.5 lb.in |
| -                                                                         |                 |                |
| 4 KV / 3<br>8                                                             |                 |                |
| 0,4 / 0,8                                                                 |                 |                |
| 60 / 62,5 / 6,2<br>-                                                      |                 |                |
|                                                                           |                 |                |

| TLD.2/GR                             |          |             |
|--------------------------------------|----------|-------------|
|                                      | Cat. No. | TL200GR     |
| TLD.2                                |          |             |
|                                      | Cat. No. | TL200       |
| TLD.2 (Ex                            | )i       |             |
|                                      | Cat. No. | TL300       |
|                                      |          |             |
| 3 feed-through le                    | evels    |             |
| 2,5                                  |          |             |
| 0,2 ÷ 4<br>0,2 ÷ 4<br>2,5 - WP25/14  |          |             |
| 250 V / 24 A / A<br>600 V / 15 A / 2 |          | / 3,5 lb.in |
| -                                    |          |             |
| 4 KV / 3                             |          |             |
| 8                                    |          |             |
| 0,4 / 0,8<br>52 / 85 / 6,2           |          |             |
| 60 / 85 / 6,2                        |          |             |
| -                                    |          |             |

| Туре                                                                                    | Cat. No.                                                   |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------|
| TLS/PT/GR<br>TLS/PT                                                                     | TL101GR<br>TL101                                           |
| PM/20/2 poles<br>PM/30/3 poles<br>PM/30/5 poles<br>PM/30/10 poles<br>24                 | PM202<br>PM303<br>PM305<br>PM310                           |
| 24<br>POS/41<br>PMP/02<br>CPM/21<br>DFU/3<br>DFM/400<br>PSD/D<br>SDD/1                  | POS41<br>PMP02<br>CPM21<br>DU03<br>DF400<br>PD004<br>DD001 |
| -<br>-<br>-                                                                             |                                                            |
| PRP/5<br>CNU/8/51<br>BTU for PR/DIN and PR/3<br>BTO for PR/3 only<br>BT/3 for PR/3 only | PRP05<br>NU0851<br>BT005<br>BT007<br>BT003                 |
| PR/3/AC of steel<br>PR/3/AS same with slots                                             | PR003<br>PR005                                             |
|                                                                                         |                                                            |

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| c 🔁 us Keur                                 | ₩ ₩            |
|---------------------------------------------|----------------|
| Туре                                        | Cat. No.       |
| TLD/PT/GR                                   | TL201GR        |
| TLD/PT                                      | TL201          |
| TLD/PI                                      | TL202          |
| PM/20/2 poles                               | PM202          |
| PM/30/3 poles                               | PM303          |
| PM/30/5 poles                               | PM305          |
| PM/30/10 poles                              | PM310          |
| 24                                          |                |
| P0S/41                                      | POS41          |
| PMP/02                                      | PMP02          |
| CPM/21                                      | CPM21          |
| DFU/3                                       | DU03           |
| DFM/400                                     | DF400          |
| PSD/D                                       | PD004          |
| SDD/1                                       | DD001          |
| -                                           |                |
| -                                           |                |
| CNU/8/51                                    | NU0851         |
| -                                           |                |
| PRP/5                                       | PRP05          |
| CNU/8/51                                    | NU0851         |
| BTU for PR/DIN and PR/3                     | BT005          |
| BTO for PR/3 only                           | BT007          |
| BT/3 for PR/3 only                          | BT003          |
| -                                           |                |
| PR/3/AC of steel<br>PR/3/AS same with slots | PR003<br>PR005 |

| TDE.2/GR                                                                      | Cat    | No    | TL500GR        |
|-------------------------------------------------------------------------------|--------|-------|----------------|
| TDE.2                                                                         |        | No.   |                |
|                                                                               |        |       |                |
|                                                                               |        |       |                |
| 2 feed-through lev<br>2,5                                                     | /els + | earth |                |
| 0,2 ÷ 4<br>0,2 ÷ 4<br>2,5 - WP25/14<br>250 V / 24 A / A<br>600 V / 20 A (*) / | -      | 12 AW | /G / 3,5 lb.in |
| -                                                                             |        |       |                |
| 4 KV / 3<br>8                                                                 |        |       |                |
| 0,4 / 0,8<br>52 / 85 / 6,2<br>60 / 85 / 6,2                                   |        |       |                |

-

| Туре                            | Cat. No.       |
|---------------------------------|----------------|
| TLD/PT/GR                       | TL201GR        |
| TLD/PT                          | TL201          |
|                                 |                |
| PM/20/2 poles                   | PM202          |
| PM/30/3 poles                   | PM303          |
| PM/30/5 poles<br>PM/30/10 poles | PM305<br>PM310 |
| 24                              | PIVI3TU        |
| P0S/41                          | POS41          |
| PMP/02                          | PMP02          |
| CPM/21                          | CPM21          |
| DFU/3                           | DU03           |
| DFM/400                         | DF400          |
| PSD/D                           | PD004          |
| SDD/1                           | DD001          |
| -                               |                |
| -                               |                |
| CNU/8/51                        | NU0851         |
| -                               |                |
| PRP/5                           | PRP05          |
| CNU/8/51                        | NU0851         |
| BTU for PR/DIN and PR/3         | BT005          |
| BTO for PR/3 only               | BT007          |
| BT/3 for PR/3 only              | BT003          |
| -                               |                |
|                                 |                |
| PR/3/AC of steel                | PR003          |
| PR/3/AS same with slots         | PR005          |

# **Fuse-holders**

### with UL94V-0 polyamide insulating body

- for ø 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- available in (grey RAL 7042 and beige RAL 1001 colours
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

The /GR tag indicates the grey colour version.

| grey version                                                                                          |  |
|-------------------------------------------------------------------------------------------------------|--|
| beige version                                                                                         |  |
| (Ex)i version                                                                                         |  |
| TECHNICAL CHARACTERISTICS                                                                             |  |
| function / type                                                                                       |  |
| rated cross-section (mm <sup>2</sup> )                                                                |  |
| connecting capacity<br>flexible (mm²)<br>rigid (mm²)<br>max. flexible with ferrule (mm²)-ferrule type |  |
| rated voltage / rated current / gauge conf. to IEC 60947-7-1                                          |  |
| rated voltage / rated current / AWG / tightening torque value UL<br>(Ex e) rated voltage / (V)        |  |
| rated impulse withstand voltage / pollution degree                                                    |  |
| insulation stripping length (mm)                                                                      |  |
| tightening torque value (test / max) (Nm)                                                             |  |
| height / width / thickness TH/35 7,5 mm                                                               |  |
| height / width / thickness LJ TH/35 15 mm                                                             |  |
| height / width / thickness G32                                                                        |  |

#### **APPROVALS**

| ACCESSORIES                                                                                    |                       |
|------------------------------------------------------------------------------------------------|-----------------------|
| End sections                                                                                   | grey<br>beige<br>blue |
| Permanent cross connection (pre-assembled)<br>(***) intrinsically IPXXB protected once mounted | t                     |
| Rated current carrying capacity of jumper                                                      | (A)                   |
| Cross-connection identification strip (100 mm)                                                 | green                 |
| Multiple common bar                                                                            | 250 mm                |
| Shunting screw and sleeve                                                                      |                       |
| Coloured partition                                                                             | red, green, white     |
| Cross connection barrier                                                                       | red                   |
| Test plug socket                                                                               |                       |
| Test plug                                                                                      |                       |
| Numbering strip                                                                                |                       |
| Miniature fuse                                                                                 | Ø 5 x 20 mm           |
| LED circuit composed by:<br>- 2 contacts<br>- 1 microcircuit or bulb                           | non-polarised         |
| - 1 transparent cover - to be inserted in such a                                               | a sequence            |
| Marking tag                                                                                    | printed or blank      |
| End bracket                                                                                    |                       |
| Mounting rail according to IEC 60715 Std.                                                      |                       |



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with possibility to perform cross connections both upstream and downstream the disconnection point

| Max. dissipated power – In conf. with IEC 60947-7-3 |         |              |                                    |                                       |                                       |                                       |  |
|-----------------------------------------------------|---------|--------------|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|
| Terminel                                            | Voltono |              | Protection against overl           | oad and short circuit                 | Only protection against short circuit |                                       |  |
| Terminal Voltage<br>block [V] (*)                   |         | Current [A]  | Single configuration<br>(PV) - [W] | Composite configuration<br>(PV) - [W] | Single configuration<br>(PV) - [W]    | Composite configuration<br>(PV) - [W] |  |
| SFR.4                                               | 250     | 6,3          | 2,5                                | 1,6                                   | 2,5                                   | 2,5                                   |  |
| SF0.4                                               | 250     | 6,3          | 2,5                                | 1,6                                   | 4                                     | 2,5                                   |  |
| SFR 6/M                                             | 250     | 6.3 / 10 Max | 25(63A)                            | 1.6 (6.3 A)                           | 4 (10 A)                              | 2.5 (6.3 A)                           |  |

(\*) value referred to the insulation characteristics of the terminal block - (\*\*) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

| SFR.4/GR                                           |                          |                      | SF0.4/GR                          |             |                      | SFR.6/M/                         | GR           |                         |
|----------------------------------------------------|--------------------------|----------------------|-----------------------------------|-------------|----------------------|----------------------------------|--------------|-------------------------|
|                                                    | Cat. No.                 | SF900GR              |                                   | Cat. No.    | SF400GR              |                                  |              | SR500GF                 |
| SFR.4                                              | Cat. No.                 | SF900                | SF0.4                             | Cat. No.    | SF400                | SFR.6/M                          | Cat. No.     | SR500                   |
|                                                    |                          |                      |                                   |             |                      |                                  |              |                         |
|                                                    |                          |                      |                                   |             |                      |                                  |              |                         |
| for ø 5 x 20 mm                                    | fuses                    |                      | for ø 5 x 20 mm                   | n fuses     |                      | for ø 5 x 20 mn                  | n fuses      |                         |
| 4                                                  |                          |                      | 4                                 |             |                      | 6                                |              |                         |
| 0,2 ÷ 6                                            |                          |                      | 0,2 ÷ 6                           |             |                      | 0,2 ÷ 10                         |              |                         |
| 0,2 ÷ 6<br>4 - WP40/16                             |                          |                      | 0,2 ÷ 6<br>4 - WP40/16            |             |                      | 0,2 ÷ 10<br>6 - WP60/20          |              |                         |
| 800 V (*) / 6,3 A r                                | max (20 A w              | ith CO/5) / A4       | 800 V (*) / 6,3 A                 | max (16 A w | ith CO/5) / A4       | 630 V (*) / 10 A                 | max. (19 A v | <i>i</i> ith CO/5) / A5 |
| 600 V / 6,3 A / 2                                  | 20-12 AWG                | / 4,4 lb.in.         | 600 V / 6,3 A /                   | 20-12 AWG   | / 7 lb.in.           | 600 V / 6,3 A /                  | 20-8 AWG /   | / 13 lb.in.             |
| -<br>6 KV / 3                                      |                          |                      | -<br>6 KV / 3                     |             |                      | -<br>6 KV / 3                    |              |                         |
| 11                                                 |                          |                      | 11                                |             |                      | 11                               |              |                         |
| 0,5 / 1,2                                          |                          |                      | 0,5 / 1,2                         |             |                      | 0,8 / 1,4                        |              |                         |
| 52 / 52 / 8                                        |                          |                      | 59 / 73 / 8                       |             |                      | 59 / 79 / 10                     |              |                         |
| 60 / 52 / 8                                        |                          |                      | 67 / 73 / 8                       |             |                      | 67 / 79 / 10                     |              |                         |
| 56 / 52 / 8                                        |                          | Mr -                 | 62 / 73 / 8                       |             | Mr -                 | 63 / 79 / 10                     |              |                         |
|                                                    | Keur                     | デモ Terna<br>LV 27/8  | c <b>PL</b> us                    | KENA        | デモ Terna             |                                  | <b>IZEMA</b> |                         |
|                                                    | Me Enel                  | (L)                  |                                   | Ste Enel    | ա                    | c <b>FN</b> us                   | Keur         |                         |
|                                                    | Distribuzione<br>DV 27/8 | BR                   | -                                 | DV 27/8     | DN                   | -                                |              |                         |
| Гуре                                               |                          | Cat. No.             | Туре                              |             | Cat. No.             | Туре                             |              | Cat. No.                |
| SFR.4/PT/GR<br>SFR.4/PT                            |                          | SF701GR<br>SF701     | SF0/PT                            |             | SF401                | SFR.6/PT/GR<br>SFR.6/PT          |              | SR301GR<br>SR301        |
| SFR.4/PT (Ex)i                                     |                          | SF801                | SFO/PT (Ex)i                      |             | SF601                | SFR.6/PT (Ex)i                   |              | SR401                   |
| -                                                  |                          |                      | PM/90/2 poles                     |             | PM902                | PTC/20/02 pole                   |              | PTC2002                 |
|                                                    |                          |                      | PM/90/3 poles                     |             | PM903                | PTC/20/03 pole                   | s (***)      | PTC2003                 |
|                                                    |                          |                      | PM/90/5 poles                     |             | PM905                | PTC/20/05 pole                   | . ,          | PTC2005                 |
|                                                    |                          |                      | PM/90/10 poles                    |             | PM900                | PTC/20/10 pole<br>PTC/20/00 (25  | . ,          | PTC2010<br>PTC2000      |
| -                                                  |                          |                      | 24                                |             |                      | <b>25</b>                        | poles) (     | F102000                 |
| -                                                  |                          |                      | -                                 |             |                      | PTC/SP                           |              | PTC0990                 |
| -                                                  |                          |                      | PMP/20                            |             | PMP20                | -                                |              |                         |
| -                                                  |                          | DUIDO                | CPM/20                            |             | CPM20                | -                                |              | DUOZ                    |
| DFU/3                                              |                          | DU03                 | DFU/7                             |             | DU07                 | DFU/7<br>DFM/300                 |              | DU07<br>DF300           |
| -                                                  |                          |                      | PSD/J                             |             | PD014                | -                                |              | DI 500                  |
| -                                                  |                          |                      | SDD/1                             |             | DD001                | SDD/1                            |              | DD001                   |
| CNU/8/51                                           |                          | NU0851               | CNU/8/51                          |             | NU0851               | CNU/8/51                         |              | NU0851                  |
| F5                                                 |                          | FN                   | F5                                |             | FN                   | F5                               |              | FN                      |
| CIL/12                                             |                          | SF512                | CIL/12                            |             | SF512                | KITLSN/12-24                     |              | KIT1224                 |
| CIL/24<br>CIL/48                                   |                          | SF524<br>SF548       | CIL/24<br>CIL/48                  |             | SF524<br>SF548       | KITLSN/70-380                    | J            | KIT70380                |
| CIL/40<br>CIL/115                                  |                          | SF515                | CIL/115                           |             | SF515                |                                  |              |                         |
| CIL/230                                            |                          | SF523                | CIL/230                           |             | SF523                |                                  |              |                         |
| CNU/8/51                                           |                          | NU0851               | CNU/8/51                          |             | NU0851               | CNU/8/51                         |              | NU0851                  |
| BTU for PR/DIN an                                  |                          | BT005                | BTU for PR/DIN a                  |             | BT005                | BTU for PR/DIN a                 |              | BT005                   |
| BT/DIN/PO for PF                                   | ,                        | BT001                | BT/DIN/PO for F                   | ,           | BT001                | BT/DIN/PO for I                  |              | BT001                   |
| <b>BT/3-BTO</b> for PR/<br><b>PR/DIN/AC</b> of ste |                          | 3T003-BT007<br>PR001 | BT/3-BTO for PE<br>PR/DIN/AC of s |             | BT003-BT007<br>PR001 | BT/3-BTO for P<br>PR/DIN/AC of s |              | BT003-BT00<br>PR001     |
| PR/DIN/AS same                                     |                          | PR004                | PR/DIN/AS sam                     |             | PR004                | PR/DIN/AS sam                    |              | PR004                   |
| PR/DIN/AL of alu                                   |                          | PR002                | PR/DIN/AL of a                    |             | PR002                | PR/DIN/AL of a                   |              | PR002                   |
| PR/3/AC for PR/D                                   |                          |                      | PR/3/AC for PR/                   |             |                      | PR/3/AC for PR/                  |              |                         |
| PR/3/AS same wi                                    | ith slots                | PR005                | PR/3/AS same v                    | with slots  | PR005                | PR/3/AS same v                   | with slots   | PR005                   |

32

### **Fuse-holders** with UL94V-0 polvamide insulating body

- for ø 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- for ø 6.3 x 32 mm fuses
- with solder lug

height / width / thickness

height / width / thickness

• universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

The /GR tag indicates the grey colour version.

| grey version                                                                                                  |                                                          |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| beige vers                                                                                                    | ion                                                      |
| (Ex)i vers                                                                                                    | ion                                                      |
| <b>TECHNICAL CHARA</b>                                                                                        | CTERISTICS                                               |
| function / type                                                                                               |                                                          |
| rated cross-section                                                                                           | (mm²)                                                    |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe                  | (mm²)<br>(mm²)                                           |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig<br>(Ex e) rated voltage /r | conf. to IEC 60947-7-1<br>htening torque value UL<br>(V) |
| rated impulse withstand voltage / pollu                                                                       | 0                                                        |
| insulation stripping length                                                                                   | (mm)                                                     |
| tightening torque value (test / max)                                                                          | (Nm)                                                     |
| height / width / thickness                                                                                    | TH/35 7,5 mm                                             |

#### **APPROVALS**

| ACCESSORIES                                                                                    |                       |
|------------------------------------------------------------------------------------------------|-----------------------|
| End sections                                                                                   | grey<br>beige<br>blue |
| Permanent cross connection (pre-assembled)<br>(***) intrinsically IPXXB protected once mounted | 1                     |
| Rated current carrying capacity of jumper                                                      | (A)                   |
| Cross-connection identification strip (100 mm)                                                 | green                 |
| Multiple common bar                                                                            | 250 mm                |
| Shunting screw and sleeve                                                                      |                       |
| Coloured partition                                                                             | red, green, white     |
| Cross connection barrier                                                                       | red                   |
| Test plug socket                                                                               |                       |
| Test plug                                                                                      |                       |
| Numbering strip                                                                                |                       |
| Miniature fuse                                                                                 | Ø 5 x 20 mm           |
| LED circuit composed by:<br>- 2 contacts<br>- 1 microcircuit or bulb                           | non-polarised         |
| - 1 transparent cover - to be inserted in such a                                               | i sequence            |
| Marking tag                                                                                    | printed or blank      |
| End bracket                                                                                    |                       |

| Mounting rail according to IEC 60715 Std. | C |
|-------------------------------------------|---|
|-------------------------------------------|---|







The terminal block is equipped with a lever suited to house a Ø 6.3 x 32 mm - 500 V fuse (not supplied)

SFR.6/GR

SFR.6

for fuses

0,2 ÷ 10 0,2 ÷ 10 6 - WP60/20

630 V (\*) / 10 A (33

600 V / 10 A / 20

6 KV (\*) / 3

59/79/10

67 / 79 / 10 63 / 79 / 10

c Rus KEMA

Cat. No.

SR301GR SR301

PTC2002

PTC2003

PTC2005

PTC2010

PTC2000

PTC0990

DU07..

DF300

DD001

KIT1224

KIT70380

NU0851

BT005

BT001

PR001

PR004

PR002

PR003

BT003-BT007

SR401

11 0.8/1.4

Type

25 PTC/SP

DFU/7

SDD/1

KITLSN/12-24

CNU/8/51

\_

KITLSN/70-380

BTU for PR/DIN and PR/3

BT/3-BTO for PR/3 only

PR/DIN/AC of steel

BT/DIN/PO for PR/DIN only

PR/DIN/AS same with slots

PR/3/AC for PR/DIN and PR/3

PR/DIN/AL of aluminium

PR/3/AS same with slots

DFM/300

SFR.6/PT/GR

PTC/20/02 poles (\*\*\*)

PTC/20/03 poles (\*\*\*)

PTC/20/05 poles (\*\*\*)

PTC/20/10 poles (\*\*\*)

PTC/20/00 (25 poles) (\*\*\*)

SFR.6/PT SFR.6/PT (Ex)i

**└\_\_\_ſ** TH/35 15 mm

**\_** G32

6

4 x 0.8 mm solder lug

4 x 0,8 mm solder lug

|          | Max. dissipated power – In conf. with IEC 60947-7-3 |                                                       |                                               |                                       |                                       |                                       |
|----------|-----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Terminal | Valtaria                                            |                                                       | Protection against overload and short circuit |                                       | Only protection against short circuit |                                       |
| block    | Voltage<br>[V] (*)                                  | V] (*) Current [A] Single configuration<br>(PV) - [W] |                                               | Composite configuration<br>(PV) - [W] | Single configuration<br>(PV) - [W]    | Composite configuration<br>(PV) - [W] |
| SFR.6    | 250                                                 | 10                                                    | 2,5 (2,5 A)                                   | 1,6 (1 A)                             | 4 (10 A)                              | 2,5 (2,5 A)                           |
| SFR.4    | 250                                                 | 6,3                                                   | 2,5                                           | 1,6                                   | 2,5                                   | 2,5                                   |
| SF0.4    | 250                                                 | 6,3                                                   | 2,5                                           | 1,6                                   | 4                                     | 2,5                                   |

(\*) value referred to the insulation characteristics of the terminal block - (\*\*) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks - (\*\*\*\*) neon bulb CED A/VC/CD

| Cat. No. SR300GR                                    | Cat. No. SF910GR                                 |
|-----------------------------------------------------|--------------------------------------------------|
| Cat. No. <b>SR300</b>                               | SFR.4/VS<br>Cat. No. SF910                       |
|                                                     |                                                  |
|                                                     |                                                  |
|                                                     | for fuses with solder lug                        |
|                                                     | 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16                |
| 3 A with brass cylinder) / A5<br>0-8 AWG / 13 lb.in | 400 V (*) / 6,3 A max (15 A with CO/5) / A4<br>- |
|                                                     | -                                                |
|                                                     | 4 KV (*) / 3                                     |
|                                                     | 11                                               |
|                                                     | 0,5 / 1,2                                        |
|                                                     | 52 / 65 / 8                                      |
|                                                     | 60 / 65 / 8                                      |
|                                                     | 56 / 65 / 8                                      |

#### Terna MEnel

other approvals referred to the standard

| Type Cat. No.<br>-<br>SFR.4/PT SR701<br>-                            |
|----------------------------------------------------------------------|
| -<br>SFR.4/PT SR701<br>-<br>-                                        |
| -                                                                    |
|                                                                      |
|                                                                      |
|                                                                      |
| -                                                                    |
| -                                                                    |
| -                                                                    |
| DFU/3 DU03                                                           |
| -                                                                    |
| -                                                                    |
| -                                                                    |
| <b>F5</b> FN                                                         |
| CIL/12 SF512                                                         |
| CIL/24 SF524<br>CIL/48 SF548                                         |
| CIL/115 SF515                                                        |
| CIL/230 SF523                                                        |
| CNU/8/51 NU0851                                                      |
| BTU for PR/DIN and PR/3 BT005                                        |
| BT/DIN/PO for PR/DIN only BT001<br>BT/3-BTO for PR/3 only BT003-BT00 |
| PR/DIN/AC of steel PR001                                             |
| PR/DIN/AS same with slots PR004                                      |
| PR/DIN/AL of aluminium PR002                                         |
| PR/3/AC for PR/DIN and PR/3 PR003<br>PR/3/AS same with slots PR005   |

| SF0.4/VS                                                    | N            |               |
|-------------------------------------------------------------|--------------|---------------|
|                                                             | Cat. No.     | SF410         |
|                                                             |              |               |
|                                                             |              |               |
|                                                             |              |               |
| for fuses with so                                           | lder lug     |               |
| 4                                                           |              |               |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>400 V (*) / 6,3 A<br>- | max (15 A wi | th CO/5) / A4 |
| -                                                           |              |               |
| 4 KV (*) / 3                                                |              |               |
| 11                                                          |              |               |
| 0,5 / 1,2                                                   |              |               |
| 59 / 85 / 8                                                 |              |               |
| 67 / 85 / 8                                                 |              |               |
| 63 / 85 / 8                                                 |              |               |

#### 兆 Terna 子

DV 27/6 other approvals referred to the standard version

| Туре                                                                      | Cat. No.                                  |
|---------------------------------------------------------------------------|-------------------------------------------|
| -<br>SFO/PT                                                               | SF401                                     |
| PM/90/2 poles<br>PM/90/3 poles<br>PM/90/5 poles<br>PM/90/10 poles         | PM902<br>PM903<br>PM905<br>PM900          |
| 25                                                                        |                                           |
| -<br>PMP/20                                                               | PMP20                                     |
| DFU/7                                                                     | DU07                                      |
| -                                                                         |                                           |
| SDD/1                                                                     | DD001                                     |
| CNU/8/51<br>F5                                                            | NU0851<br>FN                              |
| CIL/12<br>CIL/24<br>CIL/24<br>CIL/48<br>CIL/115<br>CIL/230                | SF512<br>SF524<br>SF548<br>SF515<br>SF523 |
| CNU/8/51                                                                  | NU0851                                    |
| BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only                      | BT005<br>BT001                            |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots<br>PR/DIN/AL of aluminium | 3T003-BT007<br>PR001<br>PR004<br>PR002    |
| PR/3/AC for PR/DIN and PR/3<br>PR/3/AS same with slots                    | PR003<br>PR005                            |

# Fuse-holder/diode-holder with UL94V-0 polyamide insulating body

- mounting onto PR/3, TH/35 type rails, according to IEC 60715 Std.
- two-levels: upper: fuse-holder / diode holder; lower: feed-through
- for ø 5 x 20 mm fuses (supplied separately) with possibility to detect the fuse-blowout status, by means of a LED micro-circuit (CIL...)
- for 1 A diodes (types 1N4001 ÷ 1N4007)
- for 3 A diodes (types BY255)
- Available in grey colour (RAL 7042)

#### The /GR tag indicates the grey colour version.

| grey version                                                                                                                                                                                                     |       | DSF.4/GR                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------|
| beige version                                                                                                                                                                                                    |       | DSF.4                                                                           |
| TECHNICAL CHARACTERIS                                                                                                                                                                                            | STICS |                                                                                 |
| function / type                                                                                                                                                                                                  |       | On two levels: ø 5<br>(upper level) - fee                                       |
| rated cross-section                                                                                                                                                                                              | (mm²) | 4                                                                               |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-ferrule type<br>rated voltage / rated current / gauge conf. to<br>rated voltage / rated current / AWG / tightening tor |       | 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>800 V / [6,3 A (10<br>lever)] - 32 A (lowe |
| (Ex e) rated voltage / ~                                                                                                                                                                                         | (V)   | -                                                                               |
| rated impulse withstand voltage / pollution degree                                                                                                                                                               | 9     | 8 kV / 3                                                                        |
| insulation stripping length                                                                                                                                                                                      | (mm)  | 9                                                                               |
| tightening torque value (test / max)                                                                                                                                                                             | (Nm)  | 0,5 / 1,2                                                                       |

-\_\_\_r TH/35 7,5 mm

11/35 15 mm

**G32** 

#### **APPROVALS**

height / width / thickness

height / width / thickness

height / width / thickness

| ACCESSORI                                                                                                        |                       | Туре           |
|------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|
| End sections                                                                                                     | grey<br>beige<br>blue | DSF.           |
| Coloured partition                                                                                               | red, green, white     | DFU/           |
| Cross connection barrier                                                                                         | red                   | -              |
| Test plug socket                                                                                                 |                       | -              |
| Numbering strip                                                                                                  |                       | -              |
| Miniature fuse                                                                                                   | ø 5 x 20 mm           | F5/            |
| Conducting element                                                                                               | ø 5 x 20 mm           | CO/5           |
| LED circuit composed by:<br>- 2 contacts<br>- 1 microcircuit<br>- 1 transparent cover - to be inserted in such a | non-polarised         | CIL/1<br>CIL/1 |
| Marking tag                                                                                                      | printed or blank      | CNU/           |
| Terminal block with LED 12 ÷ 48 V non polarise                                                                   | d micro-circuit       | DSF.           |
| Terminal block with LED 115 ÷ 230 V non polar                                                                    | ised micro-circuit    | DSF.           |
| 1 A cartridge / insert                                                                                           |                       | SFR/           |
| 3 A cartridge / insert                                                                                           |                       | SFR/           |
| Terminal block with 1 A diode                                                                                    |                       | DSF.           |
| Terminal block with 3 A diode                                                                                    |                       | DSF.           |
| End bracket                                                                                                      |                       | BTU<br>BT/3    |
| Mounting rail according to IEC 60715 Std.                                                                        |                       |                |
| č                                                                                                                | <b>ب</b>              | PR/3           |

| D31.4/ un                                     | Cat. No. | DA200GR |
|-----------------------------------------------|----------|---------|
| DSF.4                                         | Cat. No. | DA200   |
|                                               |          |         |
| On two levels: ø<br>(upper level) - fø<br>4   |          |         |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16             |          |         |
| 800 V / [6,3 A (1<br>lever)] - 32 A (lov<br>- |          | / \     |
| -                                             |          |         |
| 8 kV / 3<br>9                                 |          |         |
| 9<br>0,5 / 1,2                                |          |         |
| 69 / 79,5 / 8                                 |          |         |

#### KEMA-KEUR, UL pending

77 / 79,5 / 8

-/-/-

| Туре                       | Cat. No.           |
|----------------------------|--------------------|
| DSF.4/PT/GR                | DS401GR            |
| DFU/7                      | DU07               |
| -                          |                    |
| -                          |                    |
| -                          |                    |
| F5/                        | FN                 |
| CO/5                       | VL103              |
| CIL/12-48                  | SF518              |
| CIL/115-230                | SF510              |
| CNU/8                      | NU08               |
| CNU/10<br>DSF.4/GR/C12-48  | NU10<br>DA518GB    |
| DSF.4/GR/C115-230          | DASTOGR<br>DAS10GR |
| SFR/I1A (con diodo da 1 A) | SF992              |
| SFR/I3A (con diodo da 3 A) | SF993              |
| DSF.4/GR/D1A               | DA901GR            |
| DSF.4/GR/D3A               | DA903GR            |
| BTU per PR/DIN e PR/3      | BT005              |
| BT/3-BTO solo per PR/3     | BT003-BT007        |
|                            |                    |
| PR/3/AC per PR/DIN e PR/3  | PR003              |
| PR/3/AS idem con asole     | PR005              |



# cabur

# **Fuse-holders** with UL94V-0 polyamide insulating body

- for blade fuse acc. to DIN 72581/3F ISO 8820
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- with possibility to insert the "Easy Bridge" multipole cross connection upstream the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

|                    | BUR                                                                          | 9           | - 11                               | 13                  | N.                             |                          |                               |                                    |
|--------------------|------------------------------------------------------------------------------|-------------|------------------------------------|---------------------|--------------------------------|--------------------------|-------------------------------|------------------------------------|
|                    |                                                                              | Г           |                                    |                     | PTC jumper co                  | onfigurations            |                               |                                    |
| char               | e referred to the insulation<br>acteristics of the terminal                  | block       | SINGLE OR<br>Parallel<br>Extending | POLE<br>Skipping    | ADJACENT<br>WITHOUT<br>BARRIER | ADJACENT<br>WITH BARRIER | STAGGERED<br>MODE             | PARALLEL<br>Skipping               |
| and                | es referred, respectively, t<br>upper levels<br>able for all the blade fuses |             | ••                                 | • • • •             | •••                            | •••                      | •••                           | • • •                              |
| (****) sepa        | lar dimensions<br>arate configuration conf. to<br>47-7-3                     | DIEC        | • • • •                            |                     |                                |                          |                               |                                    |
| 003-               | Terminal block                                                               | Jumper      |                                    | Insulation v        | ltage in the ab                | ove configuration        | ns (V)                        |                                    |
|                    | MPFA.4                                                                       | PTC/4       | 400                                | 400                 |                                | 400                      |                               |                                    |
|                    | DSFA.4                                                                       | PTC/4       | 400                                | 400                 |                                | 400                      |                               |                                    |
| MPF#               | A.4/GR                                                                       | MF100GR     |                                    | A.4/GR              | . No. <b>DA10</b>              | OCD                      |                               |                                    |
| MPFA               |                                                                              | WIFTUUUN    | DSF                                |                     | NU. DAIU                       | Jun                      |                               | 5                                  |
|                    | Cat. No.                                                                     | MF100       |                                    |                     | . No. <b>Da</b>                | 100                      | 511                           |                                    |
|                    | out no.                                                                      |             |                                    | out                 |                                | 100                      | 11.4                          | Pic-                               |
|                    |                                                                              |             |                                    |                     |                                |                          | - AL                          |                                    |
|                    |                                                                              |             |                                    |                     |                                |                          |                               |                                    |
| for blade          | fuse (***)                                                                   |             | 2 level                            | - for blade fuse (* | **) on the upper               | level                    | dill.                         |                                    |
| 4                  |                                                                              |             | 4                                  | ,                   | , ,,                           |                          |                               | 1134                               |
|                    |                                                                              |             |                                    |                     |                                |                          |                               | 3.                                 |
| 0,2 ÷ 6<br>0,2 ÷ 6 |                                                                              |             | 0,2 ÷<br>0,2 ÷                     |                     |                                |                          | al an                         | 3.0                                |
| 0,2 ÷ 0<br>4 - WP4 | .0/16                                                                        |             | 0,2 ÷                              |                     |                                |                          | V                             | 1.2                                |
|                    | / 15 A (****) / A4                                                           |             |                                    | (*) / 15 A (****) - | 32 A (**) / A4                 | MDE                      | an Italaha I                  | the terminal blo                   |
|                    | 6,3 A / 26-10 AWG /                                                          | / 4,4 lb.in |                                    | / 6,3 - 30 A / 26   |                                | lh in                    |                               | the terminal blo<br>numbering, bla |
| -                  | 10                                                                           |             | -                                  | 0                   |                                |                          | of the PTC/4 a                | 0.                                 |
| 6 KV (*)<br>9      | /3                                                                           |             | 6 KV /<br>9                        | 3                   |                                |                          |                               | can be supplie                     |
| 9 0,5 / 1,2        | )                                                                            |             | 9 0,5 / 1                          | 2                   |                                |                          |                               | signal circuit, t                  |
| 47 / 47            |                                                                              |             | 68 / 78                            | ,                   |                                |                          | se blow-out st                | •                                  |
| 55 / 47            |                                                                              |             | 75 / 78                            |                     |                                | Two v                    | ersions are av                | ailable dependir                   |
| 51 / 47            | / 6                                                                          |             | 72 / 78                            |                     |                                |                          | ent supply volta              |                                    |
| .1                 | Nus KEUR                                                                     |             | r                                  | <b>N</b> us K       |                                |                          | A.4/L12 Cat.<br>oolarised LED | No.MF112 (wi<br>circuit)           |
|                    |                                                                              |             |                                    |                     |                                | non p                    |                               | onoury                             |

#### 

Approvals referred to the use with CPF/5 fuse carrier cartridge

| Туре                                                                                                     | Cat. No.                                            |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| MPS.4/PT/GR<br>MPS.4/PT                                                                                  | MP901GR<br>MP901                                    |
| PTC/4/02 poles<br>PTC/4/03 poles<br>PTC/4/05 poles<br>PTC/4/05 poles<br>PTC/4/00 (42 poles)<br>32        | PTC0402<br>PTC0403<br>PTC0405<br>PTC0410<br>PTC0400 |
| PTC/SP<br>-                                                                                              | PTC0990                                             |
| -<br>DFU/3<br>DFM/500                                                                                    | DU03<br>DF500                                       |
| -<br>-<br>- <b>F32/2</b> In = 2 A                                                                        | ENODOOO                                             |
| <b>F32/5</b> In = 5 A<br><b>F32/7</b> In = 7,5 A<br><b>F32/15</b> In = 15 A                              | FN03202<br>FN03205<br>FN03207<br>FN03215            |
| CNU/8/51<br>BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3-BTO for PR/3 only E             | NU0851<br>BT005<br>BT001<br>BT003-BT007             |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots<br>PR/DIN/AL of aluminium<br>PR/3/AC for PR/DIN and PR/3 |                                                     |
| PR/3/AS same with slots                                                                                  | PR005                                               |

| 1271070                                                                                                                       |                                                     |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| c Rus Keur                                                                                                                    |                                                     |
| Approvals referred to the use                                                                                                 |                                                     |
| fuse carrier cartrid                                                                                                          | ge                                                  |
| Туре                                                                                                                          | Cat. No.                                            |
| DSS/PT/GR<br>DSS/PT                                                                                                           | DS301GR<br>DS301                                    |
| PTC/4/02 poles<br>PTC/4/03 poles<br>PTC/4/05 poles<br>PTC04/10 poles<br>PTC/4/00 (42 poles)                                   | PTC0402<br>PTC0403<br>PTC0405<br>PTC0410<br>PTC0400 |
| 32<br>PTC/SP                                                                                                                  | PTC0990                                             |
| -                                                                                                                             | 1100330                                             |
| -                                                                                                                             |                                                     |
| -                                                                                                                             |                                                     |
| DFU/7                                                                                                                         | DU07                                                |
| DFM/500                                                                                                                       | DF500                                               |
| -                                                                                                                             |                                                     |
| -                                                                                                                             |                                                     |
| -                                                                                                                             |                                                     |
| -                                                                                                                             |                                                     |
| F32/2         In = 2 A           F32/5         In = 5 A           F32/7         In = 7,5 A           F32/15         In = 15 A | FN03202<br>FN03205<br>FN03207<br>FN03215            |
| CNU/8/51                                                                                                                      | NU0851                                              |
| BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3-BTO for PR/3 only E                                              | BT005<br>BT001<br>BT003-BT007                       |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots<br>PR/DIN/AL of aluminium                                                     | PR001<br>PR004<br>PR002                             |
| PR/3/AC for PR/DIN and PR/3 PR/3/AS same with slots                                                                           | PR003<br>PR005                                      |



ks with le fuse,

with a detect

on the

12 V

MPFA.4/L24 Cat. No.MF124 (with 24 V non-polarized LED circuit)



DSFA.4 - detail of the terminal blocks with CNU/8 and SNZ/60 numbering, blade fuse, view of the PTC/4 jumpers on the upper level (upstream the fuse) and on the lower level. The terminal block can be supplied with a nonpolarised LED signal circuit, to detect the fuse blow-out status. Two versions are available depending on the different supply voltages.

DSFA.4/L12 Cat. No.DA112 (with 12 V non-polarised LED circuit)

DSFA.4/L24 Cat. No.DA124 (with 24 V non-polarised LED circuit)

| grey version  |
|---------------|
| heige version |

The /GR tag indicates the grey colour version

#### **TECHNICAL CHARACTERISTICS**

| tunction / type                                          |                                 |
|----------------------------------------------------------|---------------------------------|
| rated cross-section                                      | (mm²)                           |
| connecting capacity                                      |                                 |
| flexible                                                 | (mm²)                           |
| rigid                                                    | (mm²)                           |
| max. flexible with ferrule (mm <sup>2</sup> )-fe         | rrule type                      |
| rated voltage / rated current / gauge                    | conf. to IEC 60947-7-1          |
| rated voltage / rated current / AWG / tig                | htening torque value UL         |
| (Ex e) rated voltage 💶 / ܐ—–                             | (V)                             |
| rated impulse withstand voltage / pollu                  | tion degree                     |
| insulation stripping length                              | (mm)                            |
| tightening torque value (test / max)                     | (Nm)                            |
|                                                          |                                 |
| height / width / thickness                               | TH/35 7,5 mm                    |
| height / width / thickness<br>height / width / thickness | · TH/35 7,5 mm<br>1 TH/35 15 mm |
| 0                                                        | ,                               |

#### **APPROVALS**

| ACCESSORIES                                                                   |                               |
|-------------------------------------------------------------------------------|-------------------------------|
| End sections                                                                  | grey<br>beige<br>blue         |
| Permanent cross connection<br>(intrinsically IPXXB protected once mounted)    |                               |
| Rated current carrying capacity of jumper                                     | (A)                           |
| Cross-connection identification strip (100 mm)<br>Switchable cross connection | green                         |
| Multiple common bar                                                           | 250 mm                        |
| Shunting screw and sleeve                                                     |                               |
| Coloured partition                                                            | red, green, white             |
| Cross connection barrier                                                      | red                           |
| Test plug socket                                                              |                               |
| Test plug                                                                     |                               |
| Modular test plug                                                             |                               |
| End section for modular test plug                                             |                               |
| Blade-type fuses                                                              | $\ln = 2 A$                   |
| according to DIN 72581/3F ISO 8820                                            | $\ln = 5 A$                   |
| - max voltage 32 V                                                            | ln = 7,5 A                    |
| Marking tag                                                                   | In = 15 A<br>printed or blank |
| End bracket                                                                   | printed of blank              |
|                                                                               |                               |
| Mounting rail                                                                 |                               |
| according to IEC 60715 Std.                                                   |                               |
|                                                                               | ى                             |



(\*)

(\*\*)





### **Component-holder cartridge** with UL94V-0 polyamide insulating body

- to be mounted on MPFA.4, DSFA.4 and HMFA.2 (see page 84)
- a fuse Ø 5 x 20 mm can be inserted (our type F5, with or without signalling LED, diode (1 or 3 A), brass pin  $\emptyset$  5 x 20 mm and other components (e.g. resistors)



| Max. dissipated power – In conf. with IEC 60947-7-3 |                    |             |                                               |                                       |                                       |                                       |  |
|-----------------------------------------------------|--------------------|-------------|-----------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|
| Terminal                                            |                    |             | Protection against overload and short circuit |                                       | Only protection against short circuit |                                       |  |
| Terminal<br>block                                   | Voltage<br>[V] (*) | Current [A] | Single configuration<br>(PV) - [W]            | Composite configuration<br>(PV) - [W] | Single configuration<br>(PV) - [W]    | Composite configuration<br>(PV) - [W] |  |
| MPFA.4 + CPF/5                                      | 250                | 6,3         | 1,6                                           | 1,6                                   | 4                                     | 1,6                                   |  |
| DSFA.4 + CPF/5                                      | 250                | 6,3         | 1,6                                           | 1,6                                   | 4                                     | 1,6                                   |  |
| HMFA.2 + CPF/5                                      | 250                | 6,3         | 1,6                                           | 1,6                                   | 4                                     | 1,6                                   |  |

#### standard version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                    |                         |  |  |  |
|----------------------------------------------------|-------------------------|--|--|--|
| rated cross-section                                | (mm <sup>2</sup> )      |  |  |  |
| connecting capacity                                |                         |  |  |  |
| flexible                                           | (mm <sup>2</sup> )      |  |  |  |
| rigid                                              | (mm <sup>2</sup> )      |  |  |  |
| max. flexible with ferrule (mm <sup>2</sup> )-fen  | rule type               |  |  |  |
| rated voltage / rated current / gauge              | conf. to IEC 60947-7-1  |  |  |  |
| rated voltage / rated current / AWG / tigh         | ntening torque value UL |  |  |  |
| (Ex e) rated voltage / ~                           | (V)                     |  |  |  |
| rated impulse withstand voltage / pollution degree |                         |  |  |  |
| insulation stripping length                        | (mm)                    |  |  |  |
| tightening torque value (test / max)               | (Nm)                    |  |  |  |
| height / width / thickness                         | <b>TH/35</b> 7,5 mm     |  |  |  |
| height / width / thickness                         | <b>`</b> ſ TH/35 15 mm  |  |  |  |
| height / width / thickness                         | G32                     |  |  |  |

#### **APPROVALS**

| ACCESSORIES                       |                  |  |  |  |
|-----------------------------------|------------------|--|--|--|
| Marking tag                       | printed or blank |  |  |  |
| Tinned brass conductor            | Ø 5 x 20 mm      |  |  |  |
| Cartridge / insert with 1 A diode |                  |  |  |  |
| Cartridge / insert with 3 A diode |                  |  |  |  |

| VERSIONI PREDISPO                          | Туре          | Cat. No.  |        |
|--------------------------------------------|---------------|-----------|--------|
| With non-polarized LED microcircuit        | 12 Vdc / Vac  | CPF/5L12  | CPF512 |
| With non-polarized LED microcircuit        | 24 Vdc / Vac  | CPF/5L24  | CPF524 |
| With non-polarized LED microcircuit        | 48 Vdc / Vac  | CPF/5L48  | CPF548 |
| With non-polarized LED microcircuit        | 115 Vdc / Vac | CPF/5L115 | CPF511 |
| With non-polarized LED microcircuit        | 230 Vdc / Vac | CPF/5L230 | CPF523 |
| With 1 A diode (1N4001 ÷ 1N4007 types)     |               | CPF/5D1A  | CPF501 |
| With 3 A diode (BY255 type)                |               | CPF/5D3A  | CPF503 |
| With resistor 1200 $\Omega$ (1 W $\pm$ 5%) |               | CPF/5R    | CPR05  |

Note:

(a) with fuse  $\emptyset$  5 x 20 mm, 250 V, Imax = 6,3 A – with brass pin Imax = 10 A

(b) total value, when the cartridge is mounted on terminals, considering as well the mounting rail:

| Terminal block | Height on rail<br>r TH/35 7,5 (mm) | Height on rail<br>L TH/35 15 (mm) | Height on rail<br>G32 (mm) |
|----------------|------------------------------------|-----------------------------------|----------------------------|
| HMFA.2         | 57                                 | 75                                | -                          |
| MPFA.4         | 75                                 | 83                                | 79                         |
| DSFA.4         | 96                                 | 104                               | 100                        |



\_

Approvals referred to the terminal blocks, on which the cartridge is mounted - see table

| Туре                     | Cat. No. |
|--------------------------|----------|
| CNU/8/51                 | NU0851   |
| CO/5                     | VL103    |
| SFR/I1A (with 1 A diode) | SF992    |
| SFR/I3A (with 3 A diode) | SF993    |

|                       | ١ |
|-----------------------|---|
| The cartridge can     | ١ |
| contain a spare fuse, |   |
| instead of the LED    |   |
| signalling circuit.   |   |
|                       |   |





View of the different choices for mounting the cartridge respectively on terminals DSFA.4, MPFA.4 or HMFA.2.

When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

36
## **Fuse-holders** with UL94V-0 polvamide insulating body

- for ø 6.3 x 32 mm fuses
- for ø 6.3 x 32 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., G32 and "TH/35" types
- available in beige RAL 1001 colour





The terminal block is equipped with a lever suited to house a ø 6.3 x 32 mm - 500 V fuse (not supplied).



The terminal block is equipped with a lever suited to house a ø 6.3 x 32 mm - 500 V fuse and a non-polarised LED microcircuit. The interruption of the fuse determines the ignition of the LED. The terminal block can be supplied with the CIL circuit already mounted for the insertion of a non polarised LED circuit.



The terminal block is equipped with a lever suited to house a  $\phi$  6.3 x 32 mm - 500 V fuse and a neon lamp with incorporated resistance (our type LSN ø 6 x 26 mm - 380 V max) The interruption of the fuse determines the ignition of the lamp.

LSN

value referred to the insulation characteristics of the terminal block (\*)

beige version

(\*\* for simultaneous disconnection of adjoining terminal blocks

| TECHNICAL CHARA                                                                                                | CTERISTICS             |
|----------------------------------------------------------------------------------------------------------------|------------------------|
| function / type                                                                                                |                        |
| rated cross-section                                                                                            | (mm²)                  |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fer                  | (mm²)<br>(mm²)         |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tigh<br>(Ex e) rated voltage /r | conf. to IEC 60947-7-1 |
| rated impulse withstand voltage / pollut                                                                       | ion degree             |
| insulation stripping length                                                                                    | (mm)                   |
| tightening torque value (test / max)                                                                           | (Nm)                   |
| height / width / thickness                                                                                     | TH/35 7,5 mm           |
| height / width / thickness                                                                                     | TH/35 15 mm            |
| height / width / thickness                                                                                     | <b>G</b> 32            |

#### **APPROVALS**

| ACCESSORIES                                                                                                      |                   |
|------------------------------------------------------------------------------------------------------------------|-------------------|
| End sections                                                                                                     | beige<br>blue     |
| Permanent cross connection (pre-assembled)<br>(***) intrinsically IPXXB protected once mounted                   | d                 |
| Switchable cross connection                                                                                      |                   |
| Multiple common bar                                                                                              | 250 mm            |
| Shunting screw and sleeve                                                                                        |                   |
| Coloured partition                                                                                               | red, green, white |
| Cross connection barrier                                                                                         | red               |
| Test plug socket                                                                                                 |                   |
| Test plug                                                                                                        |                   |
| MSM handle (**)                                                                                                  |                   |
| Neon lamp Ø 6 x 26 mm                                                                                            |                   |
| LED circuit composed by:<br>- 2 contacts<br>- 1 microcircuit<br>- 1 transparent cover - to be inserted in such a | non-polarised     |
| Marking tag                                                                                                      | printed or blank  |
| End bracket                                                                                                      |                   |
| Mounting rail according to IEC 60715 Std.                                                                        |                   |
|                                                                                                                  | <b>ب</b>          |

| FPC.10                                                            |                                         | FPL.10/C                                                          |                      | FPL.10/L                                            |                  |
|-------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------|----------------------|-----------------------------------------------------|------------------|
| Cat. No                                                           | FP100                                   | Cat. No.                                                          | FP300                |                                                     | . FP200          |
| Gal. NO                                                           | . FPIUU                                 | Gal. NO.                                                          | FP300                | Cat. No                                             | . FP200          |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
| for ø 6.3 x 32 mm fuses                                           |                                         | for ø 6.3 x 32 mm fuses wit                                       | h LED                | for ø 6.3 x 32 mm fuses v                           | with lamp        |
| 10                                                                |                                         | 10                                                                |                      | 10                                                  |                  |
| 1 5 10                                                            |                                         | 1 5 10                                                            |                      | 4 5 4 0                                             |                  |
| 1,5 ÷ 16                                                          |                                         | 1,5 ÷ 16                                                          |                      | 1,5 ÷ 16                                            |                  |
| 1,5 ÷ 16<br>10 - WP100/21                                         |                                         | 1,5 ÷ 16<br>10 - WP100/21                                         |                      | 1,5 ÷ 16<br>10 - WP100/21                           |                  |
| 800 V (*) / 10 A (20 A with \$                                    | SEC/CO) / B6                            | 800 V (*) / 10 A / B6                                             |                      | 800 V (*) / 10 A (20 A with                         | SEC/CO) / B6     |
| 600 V / 15 A / 20-6 AWG                                           |                                         | 300 V / 15 A / 20-6 AWG /                                         | 7 lh in              | 300 V / 15 A / 20-6 AWG                             | / 7 lh in        |
| -                                                                 | , , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | -                                                                 | 1.10.111.            | -                                                   | , , 10.111.      |
| 6 KV (*) / 3                                                      |                                         | 6 KV (*) / 3                                                      |                      | 6 KV (*) / 3                                        |                  |
| 17                                                                |                                         | 17                                                                |                      | 17                                                  |                  |
| 1,2 / 1,9                                                         |                                         | 1,2 / 1,9                                                         |                      | 1,2 / 1,9                                           |                  |
| 70 / 63 / 12                                                      |                                         | 71 / 63 / 12                                                      |                      | 71 / 63 / 12                                        |                  |
| 78 / 63 / 12                                                      |                                         | 79 / 63 / 12                                                      |                      | 79 / 63 / 12                                        |                  |
| 74 / 63 / 12                                                      |                                         | 75 / 63 / 12                                                      |                      | 75 / 63 / 12                                        |                  |
|                                                                   | Lloydis                                 | c Alus Kena                                                       | Lloydis              |                                                     |                  |
|                                                                   | register.                               |                                                                   | Kegister             | Approvals referred to the s                         | standard version |
| - 兆 Terna 🏽 🌺 州                                                   | Enel                                    | 洗Terna 登 券                                                        |                      |                                                     |                  |
| ·) LV 27/8 · ·)                                                   | DV 27/8                                 | 「八 LV 27/8 、 17 「八                                                | DV 27/8              |                                                     |                  |
| Туре                                                              | Cat. No.                                | Туре                                                              | Cat. No.             | Туре                                                | Cat. No.         |
|                                                                   |                                         | -                                                                 |                      |                                                     |                  |
| -                                                                 |                                         |                                                                   |                      | -                                                   |                  |
| -                                                                 |                                         | -                                                                 |                      | -                                                   |                  |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |
| -                                                                 |                                         | -                                                                 |                      | -                                                   | DMDOO            |
| -                                                                 |                                         | -                                                                 |                      | PMP/20                                              | PMP20            |
| -<br>DFU/6                                                        | DUOG                                    | -<br>DFU/6                                                        | DUOG                 | -<br>DFU/6                                          | DU06             |
| DFU/0                                                             | DU06                                    | DF0/0                                                             | DU06                 | DFU/0                                               | DUU0             |
|                                                                   |                                         | -                                                                 |                      |                                                     |                  |
| SDD/2                                                             | DD002                                   | -                                                                 |                      | SDD/1                                               | DD001            |
| MSM (6 elements)                                                  | FC103                                   | MSM (6 elements)                                                  | FC103                | MSM (6 elements)                                    | FC103            |
| -                                                                 | 10100                                   | -                                                                 | . 0100               | LSN                                                 | FL202            |
| -                                                                 |                                         | CIL/12                                                            | SF512                |                                                     |                  |
|                                                                   |                                         | CIL/24                                                            | SF524                |                                                     |                  |
|                                                                   |                                         | CIL/48                                                            | SF548                |                                                     |                  |
|                                                                   |                                         | CIL/115                                                           | SF515                |                                                     |                  |
|                                                                   |                                         | CIL/230                                                           | SF523                |                                                     |                  |
| CNU/8/51                                                          | NU0851                                  | CNU/8/51                                                          | NU0851               | CNU/8/51                                            | NU0851           |
| BTU for PR/DIN and PR/3                                           | BT005                                   | BTU for PR/DIN and PR/3                                           | BT005                | BTU for PR/DIN and PR/3                             | BT005            |
| BT/DIN/PO for PR/DIN only                                         | BT001                                   | BT/DIN/PO for PR/DIN only                                         | BT001                | BT/DIN/PO for PR/DIN only                           |                  |
| BT/3-BTO for PR/3 only                                            | BT003-BT007                             |                                                                   | 3T003-BT007<br>PR001 | BT/3-BTO for PR/3 only<br>PR/DIN/AC of steel        | BT003-BT007      |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots                   | PR001<br>PR004                          | PR/DIN/AC of steel<br>PR/DIN/AS same with slots                   | PROUT<br>PROO4       | PR/DIN/AC of steel<br>PR/DIN/AS same with slots     | PR001<br>PR004   |
| <b>PR/DIN/AS</b> same with slots<br><b>PR/DIN/AL</b> of aluminium | PR004<br>PR002                          | <b>PR/DIN/AS</b> same with slots<br><b>PR/DIN/AL</b> of aluminium | PR004<br>PR002       | PR/DIN/AS same with sides<br>PR/DIN/AL of aluminium | PR004            |
| <b>PR/3/AC</b> for PR/DIN and PR                                  |                                         | <b>PR/3/AC</b> for PR/DIN and PR/3                                |                      | <b>PR/3/AC</b> for PR/DIN and PR                    |                  |
| PR/3/AS same with slots                                           | PR005                                   | PR/3/AS same with slots                                           | PR005                | PR/3/AS same with slots                             | PR005            |
|                                                                   |                                         |                                                                   |                      |                                                     |                  |

## **Fuse-holders** with LED circuit

#### with UL94V-0 polyamide insulating body

- for ø 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED microcircuit (CIL...))
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- with non-polarised LED microcircuits (CIL) to operate under a.c and/or d.c. and to detect the fuse blow-out status
- available in beige RAL 1001 colour





lever suited for the housing of our F5 type - ø 5 x 20 mm **fuse.** 

Non-polarized LED microcircuits (CILs) are inserted in an appropriate housing of the lever.

The terminal block is equipped with a

#### The interruption of the fuse determines the ignition of the LED.

(\*) value referred to the insulation characteristics of the terminal

Various versions, according to different voltages, are available.







CIL/... circuit

SFR.4/C48 Cat. No. SF948

#### beige version

| <b>TECHNICAL CHAR</b>                                                                       | ACTERISTICS              |
|---------------------------------------------------------------------------------------------|--------------------------|
| function / type                                                                             |                          |
| rated cross-section                                                                         | (mm²)                    |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-f | (mm²)<br>(mm²)           |
| rated voltage / rated current / gauge                                                       |                          |
| rated voltage / rated current / AWG / ti                                                    | ghtening torque value UL |
| (Ex e) rated voltage 🗔 / 🦳                                                                  | (V)                      |
| rated impulse withstand voltage / poll                                                      | ution degree             |
| insulation stripping length                                                                 | (mm)                     |
| tightening torque value (test / max)                                                        | (Nm)                     |
| height / width / thickness                                                                  | TH/35 7,5 mm             |
| height / width / thickness                                                                  | TH/35 15 mm              |
| height / width / thickness                                                                  | <b>G</b> 32              |

#### **APPROVALS**

| ACCESSORIES                 |                   |
|-----------------------------|-------------------|
| End sections                | beige<br>blue     |
| Permanent cross connection  |                   |
| Switchable cross connection |                   |
| Multiple common bar         | 250 mm            |
| Shunting screw and sleeve   |                   |
| Coloured partition          | red, green, white |
| Cross connection barrier    | red               |
| Test plug socket            |                   |
| Test plug                   |                   |
| Numbering strip             |                   |
| Miniature fuse              | Ø 5 x 20 mm       |
| Conducting element          |                   |
| LED circuit                 | non-polarized     |

| fuse-holder with LED fuse-holder with LED            | SFR.4/C12 Cat. No. SF912<br>with 12V non-polarized LED circuit<br>SFR.4/C24 Cat. No. SF924<br>with 24V non-polarized LED circuit                                     | with 48V non-polarized LED circuit<br>SFR.4/C115 Cat. No. SF915<br>with 115V non-polarized LED circuit<br>SFR.4/C230 Cat. No. SF923<br>with 230V non-polarized LED circuit |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                      |                                                                                                                                                                      |                                                                                                                                                                            |
|                                                      | fuse-holder with LED                                                                                                                                                 | fuse-holder with LED                                                                                                                                                       |
| 4 4                                                  | 4                                                                                                                                                                    | 4                                                                                                                                                                          |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0,2 ÷ 6<br>4 - WP40/16<br>800 V (*) / 6,3 A max / A4<br>600 V / 6,3 A / 20-12 AWG / 4,4 lb.in.<br>-<br>6 KV (*) / 3<br>11<br>0,5 / 1,2<br>52 / 52 / 8<br>60 / 52 / 8 | 0,2 ÷ 6<br>4 - WP40/16<br>800 V (°) / 6,3 A max / A4<br>600 V / 6,3 A / 20-12 AWG / 4,4 lb.in.<br>-<br>6 KV (°) / 3<br>11<br>0,5 / 1,2<br>52 / 52 / 8<br>60 / 52 / 8       |
| JU/JZ/0                                              | JU / JZ / U                                                                                                                                                          | JU / JZ / U                                                                                                                                                                |

Approvals referred to the standard version (see page 32)

|        |          | _  |
|--------|----------|----|
| Туре   | Cat. No. | T, |
| SFR/PT | SF701    | S  |
| -      |          | -  |
| -      |          | -  |
| -      |          | -  |
| -      |          | -  |
| -      |          | -  |
| DFU/3  | DU03     | D  |
| -      |          | -  |
| -      |          | -  |
| -      |          | -  |
| -      |          | -  |
| F5     | FN       | F  |
| CO/5   | VL103    | C  |
| -      |          |    |

Approvals referred to the standard version (see page 32)

| Туре   | Cat. No. |
|--------|----------|
| SFR/PT | SF701    |
| -      |          |
| -      |          |
| -      |          |
| -      |          |
| DFU/3  | DU03     |
| -      |          |
| -      |          |
| -      |          |
| -      |          |
| F5     | FN       |
| CO/5   | VL103    |
|        |          |

| Marking tag                 | printed or blank |
|-----------------------------|------------------|
| End bracket                 |                  |
|                             |                  |
|                             | _                |
| Mounting rail               | ت                |
| according to IEC 60715 Std. |                  |
|                             |                  |
|                             | <b>٦</b> ٢       |

| CNU/8/51                    | NU0851      | ( | CNU/8/51                   | NU0851      |
|-----------------------------|-------------|---|----------------------------|-------------|
| BTU for PR/DIN and PR/3     | BT005       | E | BTU for PR/DIN and PR/3    | BT005       |
| BT/DIN/PO for PR/DIN only   | BT001       | E | BT/DIN/PO for PR/DIN only  | BT001       |
| BT/3-BTO for PR/3 only      | BT003-BT007 | E | BT/3-BTO for PR/3 only     | BT003-BT007 |
| PR/DIN/AC of steel          | PR001       | F | PR/DIN/AC of steel         | PR001       |
| PR/DIN/AS same with slots   | PR004       | F | PR/DIN/AS same with slots  | PR004       |
| PR/DIN/AL of aluminium      | PR002       | F | PR/DIN/AL of aluminium     | PR002       |
| PR/3/AC for PR/DIN and PR/3 | PR003       | F | PR/3/AC for PR/DIN and PR/ | 3 PR003     |
| PR/3/AS same with slots     | PR005       | F | PR/3/AS same with slots    | PR005       |

38

## **Fuse-holders** with LED circuit

#### with UL94V-0 polvamide insulating body

- with non-polarized LED microcircuits (CIL) to operate under a.c. and/or d.c. and to detect the blow-out status of the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

beige version

**TECHNICAL CHARACTERISTICS** 

max. flexible with ferrule (mm<sup>2</sup>)-ferrule type

rated impulse withstand voltage / pollution degree

rated voltage / rated current / AWG / tightening torque value

**APPROVALS** 

**ACCESSORIES** 

• available in beige RAL 1001 colour

function / type

rated cross-section

connecting capacity

flexible

insulation stripping length

height / width / thickness

height / width / thickness

height / width / thickness

Permanent cross connection

Multiple common bar

Shunting screw and sleeve Coloured partition

Cross connection barrier

Test plug socket Test plug Numbering strip Miniature fuse

MSM handle

I FD circuit

Rated current carrying capacity of jumper

End sections

rated voltage / rated current / gauge

(Ex e) rated voltage \_\_\_\_ / ~\_\_r

tightening torque value (test / max)

riaid





(\*\*) The terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks



The terminal blocks are provided with a lever suited to house an F5 type ø 5 x 20 mm fuse for terminal block type SF0.4 and ø 6.3 x 32 mm fuse for terminal block type FPL10. The non-polarised printed microcuircuits are inserted in an appropriate housing in the lever. The blow-out status of the fuse ignites the LED. Various versions for different voltages are available.

(\*) value referred to the insulating

characteristics of the terminal block



CIL/... circuit

SF0.4/C12 Cat. No. SF812 with 12V non-polarized LED circuit

with 24V non-polarized LED circuit

for ø 5 x 20 mm fuse and LED circuit

800 V (\*) / 6,3 A max / A4

250 V / 20 A / 20-12 AWG / 4,4 lb.in.

Cat. No. SF824

SF0.4/C24

4

 $0.2 \div 6$ 

 $02 \div 6$ 4 - WP40/16

6 KV (\*) / 3

59/73/8

67 / 73 / 8

62/73/8

11 0,8/1,2

(mm<sup>2</sup>

(mm<sup>2</sup>)

 $(mm^2)$ 

UI

(V)

(mm)

(Nm)

beige blue

(A)

red

250 mm

red, green, white

Ø 5 x 20 mm

non-polarized

\_ TH/35 7,5 mm

11/35 15 mm

**G32** 

conf. to IEC 60947-7-1

| SF0.4/C48 Cat. No. SF848 |
|--------------------------|
|--------------------------|

SF0.4/C115 Cat. No. SF815 with 115V non-polarized LED circuit SF0.4/C230 Cat. No. SF823 with 230V non-polarized LED circuit

for ø 5 x 20 mm fuse and LED circuit 4

| 0,2 ÷ 6                             |
|-------------------------------------|
| 0,2 ÷ 6                             |
| 4 - WP40/16                         |
| 800 V (*) / 6,3 A max / A4          |
| 250 V / 20 A / 20-12 AWG / 7 lb.in. |
| -                                   |
| 6 KV (*) / 3                        |
| 11                                  |
| 0,8 / 1,2                           |
| 59 / 85 / 8                         |
| 67 / 85 / 8                         |
| 62 / 85 / 8                         |

|       |        |            |         |           | 11 212       |
|-------|--------|------------|---------|-----------|--------------|
|       |        |            |         |           | circuit      |
| FPL   | .10/   | <b>C24</b> | Cat.    | No.       | FP924        |
| with  | 24V    | non-pola   | arized  | LED       | circuit      |
| FPL   | .10/   | <b>C48</b> | Cat.    | No.       | <b>FP948</b> |
|       |        |            |         |           | circuit      |
| FPL   | .10/   | C115       | Cat.    | No.       | FP915        |
|       |        |            |         |           | circuit      |
| FPL   | .10/   | C230       | Cat.    | No.       | <b>FP923</b> |
| with  | 230V   | non-po     | larized | LED       | circuit      |
|       |        |            |         |           |              |
|       |        |            |         |           |              |
| ,     | 3 x 32 | mm fuse a  | and LEC | ) circuit |              |
| 10    |        |            |         |           |              |
|       |        |            |         |           |              |
| 1,5 ÷ | 16     |            |         |           |              |
| 1.5 ÷ | 16     |            |         |           |              |

f

FPL.10/C12 Cat. No. FP912

| 1,5 ÷ 16                           |
|------------------------------------|
| 1,5 ÷ 16                           |
| 10 - WP100/21                      |
| 800 V (*) / 10 A / B6              |
| 300 V / 15 A / 20-6 AWG / 7 lb.in. |
| -                                  |
| 6 KV (*) / 3                       |
| 17                                 |
| 1,2 / 1,9                          |
| 71 / 63 / 12                       |
| 79 / 63 / 12                       |
| 75 / 63 / 12                       |
|                                    |

Approvals referred to the standard version (see page 32)

Approvals referred to the standard version (see page 32)

| Туре                                                              | Cat. No.                         |
|-------------------------------------------------------------------|----------------------------------|
| SF0/PT                                                            | SF401                            |
| PM/90/2 poles<br>PM/90/3 poles<br>PM/90/5 poles<br>PM/90/10 poles | PM902<br>PM903<br>PM905<br>PM900 |
| 25                                                                |                                  |
| PMP/20<br>CPM/20                                                  | PMP20<br>CPM20                   |
| DFU/7                                                             | DU07                             |
| PSD/J                                                             | PD014                            |
| SDD/1<br>CNU/8/51                                                 | DD001<br>NU0851                  |
| F5                                                                | FN                               |
|                                                                   |                                  |

| Туре           | Cat. No. |
|----------------|----------|
| SF0/PT         | SF401    |
| -              |          |
| PM/90/2 poles  | PM902    |
| PM/90/3 poles  | PM903    |
| PM/90/5 poles  | PM905    |
| PM/90/10 poles | PM900    |
| 25             |          |
| PMP/20         | PMP20    |
| CPM/20         | CPM20    |
| DFU/7          | DU07     |
| -              |          |
| PSD/J          | PD014    |
| SDD/1          | DD001    |
| CNU/8/51       | NU0851   |
| F5             | FN       |
| -              |          |
| -              |          |

Approvals referred to the standard version (see page 36)

| Туре             | Cat. No. |
|------------------|----------|
|                  |          |
| -                |          |
| -                |          |
| -                |          |
| -                |          |
| DFU/6            | DU06     |
| -                |          |
| -                |          |
| -                |          |
| -                |          |
| -                |          |
| MSM (6 elements) | FC103    |
| -                |          |

| Marking tag                 | printed or blank |
|-----------------------------|------------------|
| End bracket                 |                  |
|                             |                  |
| Maximum and the             | _                |
| Mounting rail               | ت                |
| according to IEC 60715 Std. |                  |
|                             |                  |
|                             | ~r               |

| CNU/8/51                    | NU0851      |
|-----------------------------|-------------|
| BTU for PR/DIN and PR/3     | BT005       |
| BT/DIN/PO for PR/DIN only   | BT001       |
| BT/3-BTO for PR/3 only      | BT003-BT007 |
| PR/DIN/AC of steel          | PR001       |
| PR/DIN/AS same with slots   | PR004       |
| PR/DIN/AL of aluminium      | PR002       |
| PR/3/AC for PR/DIN and PR/3 | 3 PR003     |
| PR/3/AS same with slots     | PR005       |
|                             |             |

| CNU/8/51                    | NU0851      |
|-----------------------------|-------------|
| BTU for PR/DIN and PR/3     | BT005       |
| BT/DIN/PO for PR/DIN only   | BT001       |
| BT/3-BTO for PR/3 only      | BT003-BT007 |
| PR/DIN/AC of steel          | PR001       |
| PR/DIN/AS same with slots   | PR004       |
| PR/DIN/AL of aluminium      | PR002       |
| PR/3/AC for PR/DIN and PR/3 | 3 PR003     |
| PR/3/AS same with slots     | PR005       |

| CNU/8/51                    | NU0851      |
|-----------------------------|-------------|
| BTU for PR/DIN and PR/3     | BT005       |
| BT/DIN/PO for PR/DIN only   | BT001       |
| BT/3-BTO for PR/3 only      | BT003-BT007 |
| PR/DIN/AC of steel          | PR001       |
| PR/DIN/AS same with slots   | PR004       |
| PR/DIN/AL of aluminium      | PR002       |
| PR/3/AC for PR/DIN and PR/3 | 3 PR003     |
| PR/3/AS same with slots     | PR005       |



## **Disconnect** with UL94V-0 polvamide insulating body

- disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - acc. to IEC 60715 Std., "G32" and "TH/35" types



The /GR tag indicates the grey colour version

| grey  | VEI SIU |   |
|-------|---------|---|
| beige | versio  | D |

n (Ex)i version

w worolo

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                         |
|--------------------------------------------------|-------------------------|
|                                                  | ( )                     |
| rated cross-section                              | (mm²)                   |
| connecting capacity                              |                         |
| flexible                                         | (mm <sup>2</sup> )      |
| rigid                                            | (mm <sup>2</sup> )      |
| 0                                                | ( )                     |
| max. flexible with ferrule (mm <sup>2</sup> )-fe |                         |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1  |
| rated voltage / rated current / AWG / tig        | htening torque value UL |
| (Ex e) rated voltage/ ~r                         | (V)                     |
| rated impulse withstand voltage / pollu          | ition degree            |
| insulation stripping length                      | (mm)                    |
| tightening torque value (test / max)             | (Nm)                    |
| height / width / thickness                       | TH/35 7,5 mm            |
| height / width / thickness                       | TH/35 15 mm             |
| height / width / thickness                       | <b>G</b> 32             |
|                                                  |                         |

#### **APPROVALS**

| ACCESSORIES                               |                       |
|-------------------------------------------|-----------------------|
| End sections                              | grey<br>beige<br>blue |
| Permanent cross connection (pre-assembled | 1)                    |
| Switchable cross connection               |                       |
| Multiple common bar                       | 250 mm                |
| Shunting screw and sleeve                 |                       |
| Coloured partition                        | red, green, white     |
| Cross connection barrier                  | red                   |
| Test plug socket                          |                       |
| Test plug                                 |                       |
| Numbering strip                           |                       |
| Cover for cross-connection                | rosso. blu o bianco   |
| Marking tag                               | printed or blank      |
| End bracket                               |                       |
| Mounting rail according to IEC 60715 Std. |                       |



with cross-connection possibility and suited to house a Ø 2.3 mm test plug, only in the slot of the crossconnection

MPS.2/SW/GR

MPS.2/SW (Ex)i

MPS.2/SW

2,5

with cross-connection possibility and suited to house a ø 2.3 mm test plug, in the slot of the cross-connection or in the head of the tightening screws

Cat. No. MP710GR

**MP710** 

Cat. No.

disconnect with cross-connection possibility

2,5 - WP25/14 630 V / 18 A / A3 600 V / 20 A / 20-12 AWG / 5,5 lb.in

+ other approvals referred

Cat. No.

MPS.2/SWP/GR

MPS.2/SWP

2,5

 $0,2 \div 4$ 

 $0.2 \div 4$ 

6 KV / 3

0.4 / 0.8

43 / 45 / 5,5

51 / 45 / 5,5

47 / 45 / 5.5

Туре MPS.2/PT/GR MPS.2/PT PM/91/2 poles PM/91/3 poles PM91/5 poles PM/91/10 poles POS/91 **PMP/01** CPM/11 DFU/2 PSD/K

SDD/1

PRP/5

8



with 1 screw and 1 solder connection, 4 x 0.8 mm

(\*) value referred to the staggered position of the lugs (A or B)

| MPS.2/SV                                                                                                                                                         |                  | MP220GR                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| MPS.2/SV                                                                                                                                                         | Cat. No.         |                                                                                                                                            |
|                                                                                                                                                                  | 041. 110.        | IIII 220                                                                                                                                   |
|                                                                                                                                                                  |                  |                                                                                                                                            |
| disconnect lever with 2,5                                                                                                                                        | 1 screw and      | 1 solder connect.                                                                                                                          |
| 0,2 ÷ 4<br>0,2 ÷ 4<br>2,5 - WP25/14<br>500 V (*) / 18 A<br>300 V / 20 A / 2                                                                                      |                  | / 5,5 lb.in                                                                                                                                |
| -<br>4 KV / 3<br>8<br>0,4 / 0,8<br>43 / 60 / 5,5<br>51 / 60 / 5,5<br>47 / 60 / 5,5                                                                               |                  |                                                                                                                                            |
|                                                                                                                                                                  | Kena             | 洲 Terna                                                                                                                                    |
|                                                                                                                                                                  | INFUR            | N IV 27/6                                                                                                                                  |
|                                                                                                                                                                  | Enel (           | ) LV 27/6                                                                                                                                  |
|                                                                                                                                                                  | Enel (           | 八 LV 27/6                                                                                                                                  |
| <u> </u>                                                                                                                                                         | Enel (           | R LV 27/6                                                                                                                                  |
| <b>Yype</b><br>MPS.2/PT/GR                                                                                                                                       | Enel (           | Cat. No.<br>MP121GR                                                                                                                        |
| Type<br>MPS.2/PT/GR<br>MPS.2/PT<br>PM/91/2 poles<br>PM/91/3 poles<br>PM91/5 poles<br>PM91/10 poles<br>PM/91/10 poles<br>PM/91/10 poles<br>PM/91/10 poles         | Enel (           | Cat. No.       MP121GR<br>MP121       PM912       PM913       PM915       PM910       POS91       PMP01                                    |
| Type<br>MPS.2/PT/GR<br>MPS.2/PT<br>PM/91/2 poles<br>PM/91/3 poles<br>PM91/5 poles<br>PM91/10 poles<br>POS/91                                                     | Enel (           | Cat. No.       MP121GR<br>MP121       PM912       PM913       PM915       PM910       POS91                                                |
| Type<br>MPS.2/PT/GR<br>MPS.2/PT<br>PM/91/2 poles<br>PM/91/3 poles<br>PM/91/10 poles<br>PM/91/10 poles<br>PM/91/10 poles<br>PM/91/10 poles<br>PM/91/10 poles      | Enel (           | Cat. No.       MP121GR<br>MP121       PM912       PM913       PM915       PM910       POS91       PMP01       CPM11                        |
| Type<br>MPS.2/PT/GR<br>MPS.2/PT/GR<br>MPS.2/PT<br>PM/91/2 poles<br>PM/91/3 poles<br>PM/91/10 poles<br>POS/91<br>PMP/01<br>CPM/11<br>DFU/2<br>-<br>PSD/K<br>SDD/1 | Enel<br>Div 27/6 | Cat. No.       MP121GR<br>MP121       PM912       PM913       PM915       PM910       POS91       PMP01       CPM11       DU02       PD011 |

| PKP/5                       | PKP05       | PK  |
|-----------------------------|-------------|-----|
| CNU/8/51                    | NU0851      | CN  |
| BTU for PR/DIN and PR/3     | BT005       | BT  |
| BT/DIN/PO for PR/DIN only   | BT001       | BT. |
| BT/3-BTO for PR/3 only      | BT003-BT007 | BT  |
| PR/DIN/AC of steel          | PR001       | PR  |
| PR/DIN/AS same with slots   | PR004       | PR  |
| PR/DIN/AL of aluminium      | PR002       | PR  |
| PR/3/AC for PR/DIN and PR/3 | 3 PR003     | PR  |
| PR/3/AS same with slots     | PR005       | PR  |

DD001

| •••••            | -76-                    |
|------------------|-------------------------|
| MP121GR<br>MP121 | MPS.2/PT/GR<br>MPS.2/PT |
| PM912            | PM/91/2 poles           |
| PM913            | PM/91/3 poles           |
| PM915            | PM91/5 poles            |
| PM910            | PM/91/10 poles          |
| POS91            | POS/91                  |
| PMP01            | PMP/01                  |
| CPM11            | CPM/11                  |
| DU02             | DFU/2                   |
|                  | -                       |
| PD011            | PSD/K                   |

/3-BTO for PR/3 only BT003-BT007 /DIN/AC of steel PR001 /DIN/AS same with slots PR004 PR002 /DIN/AL of aluminium /3/AC for PR/DIN and PR/3 PR003 R/3/AS same with slots PR005

disconnect with cross-connection possibility

Cat. No. MP120GR

**MP120** 

**MP130** 

Cat. No.

Cat. No

 $0,2 \div 4$  $0.2 \div 4$ 2,5 - WP25/14 630 V / 18 A / A3 600 V / 20 A / 20-12 AWG / 5,5 lb.in 6 KV / 3 8 0.4 / 0.8 43 / 45 / 5,5 51 / 45 / 5,5 47 / 45 / 5.5



| туре                        | Gat. No.     |
|-----------------------------|--------------|
| MPS.2/PT/GR                 | MP121GR      |
| MPS.2/PT                    | MP121        |
| MPS.2/PT (Ex)i              | MP131        |
| PM/91/2 poles               | PM912        |
| PM/91/3 poles               | PM913        |
| PM91/5 poles                | PM915        |
| PM/91/10 poles              | PM910        |
| P0S/91                      | POS91        |
| PMP/01                      | PMP01        |
| . ,                         | PM11 (CPX11) |
| DFU/2                       | DU02         |
| -                           |              |
| PSD/K                       | PD011        |
| SDD/1                       | DD001        |
| -                           |              |
| PRP/5                       | PRP05        |
| CNU/8/51                    | NU0851       |
| BTU for PR/DIN and PR/3     | BT005        |
| BT/DIN/PO for PR/DIN only   | BT001        |
|                             | BT003-BT007  |
| PR/DIN/AC of steel          | PR001        |
| PR/DIN/AS same with slots   | PR004        |
| PR/DIN/AL of aluminium      | PR002        |
| PR/3/AC for PR/DIN and PR/3 |              |
| PR/3/AS same with slots     | PR005        |
|                             |              |

| UR |     |    | to MPS.2/SW standard versi |  |
|----|-----|----|----------------------------|--|
|    | Cat | No | Tuno                       |  |

| 40 |  |
|----|--|

## **Disconnect** with UL94V-0 polvamide insulating body

- · disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- "Easy Bridge" system: multi-pole cross-connection without the need of additional protection

| insulation stripping length                                                                | (mm)                  | 9                                                                                           |
|--------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------|
| tightening torque value (test / max)                                                       | (Nm)                  | 0,5 / 1,2                                                                                   |
| height / width / thickness                                                                 | r TH/35 7,5 mm        | 47 / 47 / 6                                                                                 |
| height / width / thickness                                                                 | ∫ TH/35 15 mm         | 55 / 47 / 6                                                                                 |
| height / width / thickness                                                                 | ⊐ G32                 | 51 / 47 / 6                                                                                 |
| APPROVALS                                                                                  |                       |                                                                                             |
| ACCESSORIES                                                                                |                       | Туре                                                                                        |
| End sections                                                                               | grey<br>beige<br>blue | MPS.4/PT/GR<br>MPS.4/PT<br>MPS.4/PT (Ex)i                                                   |
| Permanent cross connection (pre-assembled)<br>(intrinsically IPXXB protected once mounted) |                       | PTC/4/02 poles<br>PTC/4/03 poles<br>PTC/4/05 poles<br>PTC/4/10 poles<br>PTC/4/00 (42 poles) |
| Rated current carrying capacity of jumper                                                  | (A)                   | 32                                                                                          |
| Cross-connection identification strip (100 mm)                                             | green                 | PTC/SP                                                                                      |
| Multiple common bar                                                                        | 250 mm                | -                                                                                           |
| Shunting screw and sleeve                                                                  |                       | -                                                                                           |
| Coloured partition                                                                         | red, green, white     | DFU/3                                                                                       |
| Cross connection barrier                                                                   | red                   | DFM/500                                                                                     |
| Test plug socket                                                                           |                       | -                                                                                           |
| Test plug                                                                                  |                       | -                                                                                           |
| Numbering strip                                                                            |                       | CNU/8/61                                                                                    |
|                                                                                            | red. blue or white    | -                                                                                           |
| Marking tag                                                                                | printed or blank      | CNU/8/61                                                                                    |
| End bracket                                                                                |                       | BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3-BTO for PR/3 only              |
| Mounting rail according to IEC 60715 Std.                                                  |                       | PR/DIN/AC of steel<br>PR/DIN/AS same with slots<br>PR/DIN/AL of aluminium                   |
|                                                                                            |                       | DD /0 /AO ( DD /DIN - I DD/                                                                 |

Terminal block Insulation voltage in the abo Jumper MPS.4 DSS.4 PTC/4 PTC/4 40 400 MPS.4/GR Cat. No. MP950GR MPS.4 MPS.4/VS MP950 Cat. No. Cat. No. MPS.4/SW (Ex)i **MP960** Cat No disconnect lever disconnect lever with 1 screw and 1 solder cor 4 4  $0,2 \div 6$  $0,2 \div 6$  $0.2 \div 6$  $0.2 \div 6$ 4 - WP40/16 4 - WP40/16 400 V / 24 A / A4 400 V / 20 A / A4 600 V / 24 A / 26 ÷ 10 AWG / 5,5 lb 600 V / 24 A / 26-10 AWG / 4,4 lb.in 6 KV / 3 4 KV / 3 9 0,5 / 1.2 47/47/6 55 / 47 / 6 51/47/6 KEUR c ALI us 然 Terna 姚 Enel ֎ Cat. No. Туре 'GR MP901GR MP901 MPS.4/PT MP902 (Ex)i PTC/4/02 poles PTC0402 oles PTC0403 PTC/4/03 poles oles oles PTC0405 PTC/4/05 poles oles PTC0410 PTC/4/10 poles PTC0400 42 poles



| ove cor | nfigu      | iration                 | s (V)         |      |                    |         |      |      |      |
|---------|------------|-------------------------|---------------|------|--------------------|---------|------|------|------|
|         | 400<br>400 |                         |               |      |                    |         |      |      |      |
|         |            | DS                      | S.4/          | GR   | Cat. N             | ۱o.     | DS   | 6400 | GR   |
| 930     |            | DS                      | S.4           |      | Cat. N             | Vo.     |      | DS4  | 100  |
|         |            |                         |               |      |                    |         |      |      |      |
|         |            |                         |               |      |                    |         |      |      |      |
| nnect.  |            | 2 leve<br>4             | ls, with      | uppe | r discor           | inect l | evel |      |      |
|         |            | 0,2 ÷<br>0,2 ÷<br>4 - W |               | 6    |                    |         |      |      |      |
| o.in    |            |                         |               |      | (*) / A4<br>/ 26-1 |         | G/   | 4,4  | b.in |
|         |            | -<br>4 KV               | / 3           |      |                    |         |      |      |      |
|         |            | 9<br>0,5 /<br>68 /      | 1,2<br>78 / 6 |      |                    |         |      |      |      |
|         |            | 75 /                    | 78/6          |      |                    |         |      |      |      |



72/78/6

| Туре                                                                                                                                                                                                                       | Cat. No.                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| DSS/PT/GR<br>DSS/PT                                                                                                                                                                                                        | DS301GR<br>DS301                                                                     |
| PTC/4/02 poles<br>PTC/4/03 poles<br>PTC/4/05 poles<br>PTC/4/10 poles                                                                                                                                                       | PTC0402<br>PTC0403<br>PTC0405<br>PTC0410                                             |
| PTC/4/00 (42 poles)<br>32                                                                                                                                                                                                  | PTC0400                                                                              |
| PTC/SP                                                                                                                                                                                                                     | PTC0990                                                                              |
| -<br>DFU/7                                                                                                                                                                                                                 | DU07                                                                                 |
| DFM/500                                                                                                                                                                                                                    | DF500                                                                                |
| -                                                                                                                                                                                                                          |                                                                                      |
| CNU/8/61                                                                                                                                                                                                                   | NU0861                                                                               |
| CNU/8/61<br>BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3-BTO for PR/3 only<br>PR/DIN/AC of steel<br>PR/DIN/AC of steel<br>PR/DIN/AL of aluminium<br>PR/3/AC for PR/DIN and PR/3<br>PR/3/AS same with slots | NU0861<br>BT005<br>BT001<br>BT003-BT007<br>PR001<br>PR004<br>PR002<br>PR003<br>PR005 |

(\*) values referred to the upper and lower conducting body, respectively





with 1 screw and 1 solder connection. 4 x 0.8 mm

POLE Skipping

•••

SINGLE OR PARALLEL

EXTENDIN

11



PTC jumper configurations AD.JACENT

MP

WITHOUT

RARRIER

....

AD. JACENT

WITH BARRIER

----



PARALL FI

SKIPPING

-

•

STAGGERED

MODE

•



(Ex)i version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                          |                           |
|----------------------------------------------------------|---------------------------|
| rated cross-section                                      | (mm²)                     |
| connecting capacity                                      |                           |
| flexible                                                 | (mm <sup>2</sup> )        |
| rigid                                                    | (mm <sup>2</sup> )        |
| max. flexible with ferrule (mm <sup>2</sup> )-fe         | errule type               |
| rated voltage / rated current / gauge                    | conf. to IEC 60947-7-1    |
| rated voltage / rated current / AWG / tig                | ghtening torque value UL  |
| (Ex e) rated voltage 💷 / 🦳                               | (V)                       |
| rated impulse withstand voltage / pollu                  | ution degree              |
| insulation stripping length                              | (mm)                      |
| tightening torque value (test / max)                     | (Nm)                      |
| height / width / thickness                               | TH/35 7,5 mm              |
|                                                          |                           |
| height / width / thickness                               | └── TH/35 15 mm           |
| height / width / thickness<br>height / width / thickness | ℃ TH/35 15 mm<br>└──_ G32 |

PTC0990

DU03.

DF500

NU0861

NU0861

BT005

BT001

PR001

PR004

PR002

PR005

BT003-BT007

PR/3/AC for PR/DIN and PR/3 PR003 PR/3/AS same with slots



## Disconnect with UL94V-0 polyamide insulating body

- disconnect by means of a brass cylinder to be inserted in the lever
- disconnect with special connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



SFR.4/GR

SFR.4



(\*\*) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

> Ø 5 x 20 mm CO/5 conducting element - in tin plated brass to be inserted in the lever

Cat. No. SF900GR

1 screw and 1 4 x 0.8 mm solder

SFR.4/VS/GR

SFR.4/VS

Cat. No. SF910GR

SF910

connection

The /GR tag indicates the grey colour version.

| grey versi                                                                                                                                                                                                                         | ion                                                |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--|--|--|
| beige version                                                                                                                                                                                                                      |                                                    |  |  |  |
| (Ex)i vers                                                                                                                                                                                                                         | ion                                                |  |  |  |
| TECHNICAL CHARA                                                                                                                                                                                                                    | CTERISTICS                                         |  |  |  |
| function / type<br>rated cross-section<br>connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe<br>rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig       | conf. to IEC 60947-7-1<br>ghtening torque value UL |  |  |  |
| (Ex e) rated voltage/r<br>rated impulse withstand voltage / pollu<br>insulation stripping length<br>tightening torque value (test / max)<br>height / width / thickness<br>height / width / thickness<br>height / width / thickness | (V)<br>ution degree<br>(mm)<br>(Nm)<br>            |  |  |  |

#### **APPROVALS**

| ACCESSORIES                                |                       |
|--------------------------------------------|-----------------------|
| End sections                               | grey<br>beige<br>blue |
| Permanent cross connection (pre-assembled) |                       |
| Switchable cross connection                |                       |
| Multiple common bar                        | 250 mm                |
| Shunting screw and sleeve                  |                       |
| Coloured partition                         | red, green, white     |
| Cross connection barrier                   | red                   |
| Test plug socket                           |                       |
| Test plug                                  |                       |
| Numbering strip                            |                       |
| Manopola di manovra                        |                       |
| Brass conducting cylinder                  |                       |
| Marking tag                                | printed or blank      |
| End bracket                                |                       |
| Mounting rail according to IEC 60715 Std.  |                       |
|                                            | ~                     |

| SFR.4                                 | Cat. No.    | SF900          | SFR.4/VS                                     | . No.         |
|---------------------------------------|-------------|----------------|----------------------------------------------|---------------|
| SFR.4 (Ex                             |             |                |                                              |               |
|                                       | Cat. No.    | SF850          |                                              |               |
|                                       |             |                |                                              |               |
| disconnect                            |             |                | disconnect, with solde                       | er lua        |
| 4                                     |             |                | 4                                            | n lug         |
|                                       |             |                |                                              |               |
| 0,2 ÷ 6                               |             |                | 0,2 ÷ 6                                      |               |
| 0,2 ÷ 6                               |             |                | 0,2 ÷ 6                                      |               |
| 4 - WP40/16                           |             | 4              | 4 - WP40/16                                  |               |
| 800 V / 20 A (co<br>600 V / 6,3 A / 1 |             |                | 400 V / 15 A (con CO                         | (C) / A4      |
| -                                     | 20-12 AWU   | / 4,4 10.111   | -                                            |               |
| 6 KV / 3                              |             |                | 4 KV / 3                                     |               |
| 11                                    |             |                | 11                                           |               |
| 0,5 / 1,2                             |             |                | 0,5 / 1,2                                    |               |
| 52 / 52 / 8                           |             |                | 52 / 65 / 8                                  |               |
| 60 / 52 / 8                           |             |                | 60 / 65 / 8                                  |               |
| 56 / 52 / 8                           |             |                | 56 / 65 / 8                                  |               |
|                                       | <b>VEMA</b> | 洲 Terna        | No. La                                       | En ch         |
| c <b>FL</b> us                        | Keur        | LV 27/8        | 売Terna 兆                                     | Distribuzione |
|                                       | Stephenel   | መ              | approvals referred to                        |               |
|                                       | DV 27/8     | BR             | approvais referieu la                        | ) Stariuari   |
| Туре                                  |             | Cat. No.       | Туре                                         | (             |
| SFR.4/PT/GR                           |             | SF701GR        | SFR.4/PT/GR                                  | S             |
| SFR.4/PT                              |             | SF701          | SFR.4/PT                                     | S             |
| SFR.4/PT (Ex)i                        |             | SF801          | -                                            |               |
|                                       |             |                |                                              |               |
|                                       |             |                |                                              |               |
|                                       |             |                |                                              |               |
| -                                     |             |                | -                                            |               |
| -                                     |             |                | -                                            |               |
| DFU/3                                 |             | DU03           | DFU/3                                        | Г             |
| -                                     |             | 0000           | -                                            | L             |
| -                                     |             |                | -                                            |               |
| -                                     |             |                | -                                            |               |
| -                                     |             |                | -                                            |               |
| -                                     |             |                | -                                            |               |
| CO/5                                  |             | VL103          | CO/5                                         | V             |
| CNU/8/51                              |             | NU0851         | CNU/8/51                                     | Ν             |
| BTU for PR/DIN a                      |             | BT005          | BTU for PR/DIN and PR/                       |               |
| BT/DIN/PO for P                       | -           | BT001          | BT/DIN/PO for PR/DIN                         | -             |
| BT/3-BTO for PR                       | ,           | BT003-BT007    | BT/3-BTO for PR/3 only<br>PR/DIN/AC of steel | BT(           |
| PR/DIN/AC of st<br>PR/DIN/AS sam      |             | PR001<br>PR004 | PR/DIN/AC of steel<br>PR/DIN/AS same with    |               |
| PR/DIN/AS sam                         |             | PR004<br>PR002 | PR/DIN/AS same with<br>PR/DIN/AL of aluminiu |               |
| PR/3/AC for PR/                       |             | PR003          | PR/3/AC for PR/DIN an                        |               |
| PR/3/AS same w                        |             | PR005          | PR/3/AS some with slo                        |               |

| 0,5 / 1,2   |  |
|-------------|--|
| 52 / 65 / 8 |  |
| 60 / 65 / 8 |  |
| 56 / 65 / 8 |  |

| Type     Cat. No.     Type     Cat. No.       SFR.4/PT/GR     SF701GR     SFR.4/PT/GR     SF701GR       SFR.4/PT     SF701     SFR.4/PT     SF701       SFR.4/PT (Ex)i     SF801     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     - |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SFR.4/PT     SF701     SFR.4/PT     SF701       SFR.4/PT (Ex)i     SF801     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DFU/3     DU03     DFU/3     DU03       -     -     -     -       -     -     -     -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CO/5 VL103 CO/5 VL103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CNU/8/51 NU0851 CNU/8/51 NU0851                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BTU for PR/DIN and PR/3 BT005 BTU for PR/DIN and PR/3 BT005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BT/DIN/PO for PR/DIN only BT001 BT/DIN/PO for PR/DIN only BT001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BT/3-BTO for PR/3 only BT003-BT007 BT/3-BTO for PR/3 only BT003-BT00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PR/DIN/AC of steel PR001 PR/DIN/AC of steel PR001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PR/DIN/AS same with slots PR004 PR/DIN/AS same with slots PR004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PR/DIN/AL of aluminium PR002 PR/DIN/AL of aluminium PR002 PR/DIN/AL of aluminium PR002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PR/3/AC for PR/DIN and PR/3     PR003     PR/3/AC for PR/DIN and PR/3     PR003       PR/3/AS same with slots     PR005     PR/3/AS same with slots     PR005                                                                                                                                                                                                                                                                                                                                                                                                            |



DV 27/6 + other

42



## Disconnect with UL94V-0 polyamide insulating body

- · disconnect by means of a brass conducting element to be inserted in the lever
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types



(\*\*) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of ad joining terminal blocks

with possibility to perform cross connections both upstream and downstream the disconnection point

> Ø 5 x 20 mm CO/5 conducting element - in tin plated brass to be inserted in the lever



Please refer to the table on page 136 in order to detemine the insulation voltage of the different PTC connection diagrams

CED G/M/CD

The /GR tag indicates the grey colour version.

#### **APPROVALS**

| ACCESSORIES                                                                                   |                       |
|-----------------------------------------------------------------------------------------------|-----------------------|
| End sections                                                                                  | grey<br>beige<br>blue |
| Permanent cross connection (pre-assembled)<br>(*) intrinsically IPXXB protected once mounted) |                       |
| Rated current carrying capacity of jumper                                                     | (A)                   |
| Cross-connection identification strip (100 mm                                                 | ) green               |
| Multiple common bar                                                                           | 250 mm                |
| Shunting screw and sleeve                                                                     |                       |
| Coloured partition                                                                            | red, green, white     |
| Cross connection barrier                                                                      | red                   |
| Test plug socket                                                                              |                       |
| Test plug                                                                                     |                       |
| Numbering strip                                                                               |                       |
| MSM handle                                                                                    |                       |
| Brass conducting cylinder                                                                     |                       |
| Marking tag                                                                                   | printed or blank      |
| End bracket                                                                                   |                       |
|                                                                                               |                       |
| Mounting rail                                                                                 |                       |
| according to IEC 60715 Std.                                                                   |                       |

|                                                                            | in an i        |                                  | , , | 0 11001100 111                                          |
|----------------------------------------------------------------------------|----------------|----------------------------------|-----|---------------------------------------------------------|
| SF0.4/GR                                                                   | Cat. No.       | SF400GR                          |     |                                                         |
| SF0.4                                                                      | Cat. No.       | SF400                            |     | SF0.4/V                                                 |
| SF0.4 (Ex)                                                                 |                | SF600                            |     |                                                         |
|                                                                            |                |                                  |     |                                                         |
| disconnect<br>4                                                            |                |                                  |     | disconnect w<br>4                                       |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>800 V / 16 A (wi<br>600 V / 6,3 A / 2 |                |                                  |     | 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>800 V / 15 A       |
| -<br>6 KV / 3<br>11                                                        |                |                                  |     | -<br>4 KV / 3<br>11                                     |
| 0,5 / 1,2                                                                  |                |                                  |     | 0,5 / 1,2                                               |
| 59 / 73 / 8                                                                |                |                                  |     | 59 / 85 / 8                                             |
| 67 / 73 / 8<br>62 / 73 / 8                                                 |                |                                  |     | 67 / 85 / 8<br>63 / 85 / 8                              |
| c AL us                                                                    | Keur<br>Weenel | 光 Terna<br>LV 27/8               |     |                                                         |
| Turne                                                                      | DV 27/8        | Cat. No.                         |     | approvals refe                                          |
|                                                                            |                |                                  |     | Туре                                                    |
| SFO/PT/GR<br>SFO/PT<br>SFO/PT (Ex)i                                        |                | SF401GR<br>SF401<br>SF601        |     | SF0/PT                                                  |
| PM/90/2 poles<br>PM/90/3 poles<br>PM/90/5 poles<br>PM/90/10 poles          |                | PM902<br>PM903<br>PM905<br>PM900 |     | PM/90/2 pol<br>PM/90/3 pol<br>PM/90/5 pol<br>PM/90/10 p |
| 24                                                                         |                |                                  |     | 25                                                      |
|                                                                            |                |                                  |     |                                                         |

PMP/20 CPM/20 DFU/7 PSD/J SDD/1 \_ CO/5 CNU/8/51

~

|          | 2F001  | -                 |
|----------|--------|-------------------|
|          | PM902  | PM/90/2 pol       |
|          | PM903  | PM/90/3 pol       |
|          | PM905  | PM/90/5 pol       |
|          | PM900  | <b>PM/90/10</b> p |
|          |        |                   |
|          |        | 25                |
|          |        | -                 |
|          | PMP20  | PMP/20            |
|          | CPM20  | CPM/20            |
|          | DU07   | DFU/7             |
|          |        | -                 |
|          | PD014  | PSD/J             |
|          | DD001  | SDD/1             |
|          |        | -                 |
|          |        | -                 |
|          | VL103  | C0/5              |
|          | NU0851 | CNU/8/51          |
| PR/3     | BT005  | BTU for PR/D      |
| DIN only | BT001  | BT/DIN/PO         |
|          |        |                   |

| BTU for PR/DIN and PR/3     | BT005       |
|-----------------------------|-------------|
| BT/DIN/PO for PR/DIN only   | BT001       |
| BT/3-BTO for PR/3 only      | BT003-BT007 |
| PR/DIN/AC of steel          | PR001       |
| PR/DIN/AS same with slots   | PR004       |
| PR/DIN/AL of aluminium      | PR002       |
| PR/3/AC for PR/DIN and PR/3 | 3 PR003     |
| PR/3/AS same with slots     | PR005       |
|                             |             |

| SF0.4/VS<br>Cat. No.              | SF410 |
|-----------------------------------|-------|
|                                   |       |
|                                   |       |
| disconnect with solder lug<br>4   |       |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16 |       |
| 800 V / 15 A (with CO/5) / A4     |       |
| -                                 |       |
| 4 KV / 3                          |       |
| 11                                |       |
| 0,5 / 1,2                         |       |

| ME Terna ME Enel |
|------------------|
| 🤐 Terna 💥 Enel   |

LV 27/6 DV 27/6 + other als referred to SFO.4 standard version

| Туре                    | Cat. No. |
|-------------------------|----------|
| -                       |          |
| SF0/PT                  | SF401    |
| -                       |          |
| PM/90/2 poles           | PM902    |
| PM/90/3 poles           | PM903    |
| PM/90/5 poles           | PM905    |
| PM/90/10 poles          | PM900    |
|                         |          |
| 25                      |          |
| -                       |          |
| PMP/20                  | PMP20    |
| CPM/20                  | CPM20    |
| DFU/7                   | DU07     |
| -                       |          |
| PSD/J                   | PD014    |
| SDD/1                   | DD001    |
| -                       | 00001    |
| -                       |          |
| C0/5                    | VL103    |
| CNU/8/51                | NU0851   |
|                         |          |
| BTU for PR/DIN and PR/3 | BT005    |

| CNU/8/51                    | NU0851      |
|-----------------------------|-------------|
| BTU for PR/DIN and PR/3     | BT005       |
| BT/DIN/PO for PR/DIN only   | BT001       |
| BT/3-BTO for PR/3 only      | 3T003-BT007 |
| PR/DIN/AC of steel          | PR001       |
| PR/DIN/AS same with slots   | PR004       |
| PR/DIN/AL of aluminium      | PR002       |
| PR/3/AC for PR/DIN and PR/3 | PR003       |
| PR/3/AS same with slots     | PR005       |

| SFR.6/M/                            |                   | SR500GR |
|-------------------------------------|-------------------|---------|
| SFR.6/M                             | Out. NO.          | onoodan |
|                                     | Cat. No.          | SR500   |
| SFR.6/M                             | (Ex)i<br>Cat. No. | SR600   |
|                                     | Gal. NO.          | 30000   |
|                                     |                   |         |
| disconnect                          |                   |         |
| 6                                   |                   |         |
| 0,2 ÷ 10<br>0,2 ÷ 10<br>4 - WP60/20 |                   |         |
| 630 V / 19 A (v<br>600 V / 6,3 A /  |                   |         |
| -                                   |                   |         |
| 6 KV / 3<br>11                      |                   |         |
| 0,8 / 1,4                           |                   |         |
| 59 / 79 / 10                        |                   |         |
| 67 / 79 / 10                        |                   |         |
| 63 / 79 / 10                        |                   |         |
|                                     | Kena              |         |

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|-------|------|---|

| Туре                                                           | Cat. No.           |
|----------------------------------------------------------------|--------------------|
| SFR.6/PT/GR                                                    | SR301GR            |
| SFR.6/PT                                                       | SR301              |
| SFR.6/PT (Ex)i                                                 | SR401              |
| PTC/20/02 poles (*)                                            | PTC2002            |
| PTC/20/03 poles (*)                                            | PTC2003            |
| PTC/20/05 poles (*)                                            | PTC2005<br>PTC2010 |
| PTC/20/10 poles (*)                                            | PTC2010<br>PTC2000 |
| PTC/20/00 (25 poles) (*)<br>25                                 | P162000            |
| -                                                              |                    |
| -                                                              |                    |
| -                                                              |                    |
| DFU/7                                                          | DU07               |
| DFM/300                                                        | DF300              |
| -                                                              |                    |
| SDD/1                                                          | DD001              |
| -                                                              |                    |
| -                                                              |                    |
| C0/5                                                           | VL103              |
| CNU/8/51                                                       | NU0851             |
| BTU for PR/DIN and PR/3                                        | BT005              |
| BT/DIN/PO for PR/DIN only                                      | BT001              |
|                                                                | T003-BT007         |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots                | PR001<br>PR004     |
| <b>PR/DIN/AS</b> same with slots <b>PR/DIN/AL</b> of aluminium | PR004<br>PR002     |
| <b>PR/3/AC</b> for PR/DIN and PR/3                             | PR002<br>PR003     |
| <b>PR/3/AS</b> same with slots                                 | PR005              |



## **Disconnect** with UL94V-0 polyamide insulating body

- disconnect by means of a brass cylinder to be inserted in the lever
- slide link disconnect
- possibility to perform cross-connections
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



Please refer to the table on page 136 in order to detemine the insulation voltage of the different PTC connection diagrams

SFR.6/GR



Ø 6.3 x 32 mm SFC/CO conducting element - in tin plated brass to be inserted in the lever



SCB.4 terminal blocks with shortcircuit plates and test plugs



| SCB.4/GR                             |          |              |
|--------------------------------------|----------|--------------|
| 00211/011                            | Cat. No. | SB300GR      |
| SCB.4                                | Cat. No. | SB300        |
|                                      |          |              |
|                                      |          |              |
| disconnect by sl                     | ide-link |              |
| 4                                    |          |              |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16    |          |              |
| 800 V / 32 A / A<br>600 V / 20 A / 2 |          | / 4,4 lb.in. |
| -                                    |          |              |
| 8 KV / 3                             |          |              |
| 9                                    |          |              |
|                                      |          |              |

#### 0,5 / 1,2 44 / 58 / 6,5 52 / 58 / 6,5 48 / 58 / 6,5



| Туре                                            | Cat. No.             |
|-------------------------------------------------|----------------------|
| SCB/4/PT/GR<br>SCB/4/PT                         | SB301GR<br>SB301     |
| PM/40/2 poles<br>PM/40/3 poles                  | PM402<br>PM403       |
| PM/40/5 poles<br>PM/40/10 poles                 | PM405<br>PM410       |
| 32                                              |                      |
| P0S/12                                          | POS12                |
| -<br>PMP/42                                     | PMP42                |
| CPM/12                                          | CPM12                |
| DFU/3                                           | DU03                 |
| -                                               | DD001                |
| PSD/A<br>SDD/6-SDD/1                            | PD001<br>DD006-DD001 |
| SCB/4/P0/2                                      | SB303                |
| SCB/4/PO/4<br>CNU/8/51                          | SB304<br>NU0851      |
|                                                 | I COUUN              |
| SCB/4/CPM                                       | SB305                |
| -                                               |                      |
| CNU/8/51<br>BTU for PR/DIN and PR/3             | NU0851<br>BT005      |
| <b>BT/DIN/PO</b> for PR/DIN only                | BT000                |
| BT/3-BTO for PR/3 only                          | BT003-BT007          |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots | PR001<br>PR004       |
| <b>PR/DIN/AL</b> of aluminium                   | PR002                |
| PR/3/AC for PR/DIN and PR/                      |                      |
| PR/3/AS same with slots                         | PR005                |

The /GR tag indicates the grey colour version.

| grey version                                                                                                                                                                                                                                            |                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|
| beige vers                                                                                                                                                                                                                                              | ion                    |  |
| (Ex)i versi                                                                                                                                                                                                                                             | ion                    |  |
| TECHNICAL CHARACTERISTICS                                                                                                                                                                                                                               |                        |  |
| function / type<br>rated cross-section<br>connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe<br>rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig<br>(Ex e) rated voltage C/ | conf. to IEC 60947-7-1 |  |
| rated impulse withstand voltage / pollu<br>insulation stripping length<br>tightening torque value (test / max)<br>height / width / thickness<br>height / width / thickness<br>height / width / thickness                                                | ( )                    |  |

#### **APPROVALS**

| ACO                                                              | ESSORIES                                 |                       |
|------------------------------------------------------------------|------------------------------------------|-----------------------|
| End sections                                                     |                                          | grey<br>beige<br>blue |
| Permanent cross connection<br>(*) intrinsically IPXXB protection | u /                                      |                       |
| Rated current carrying cap                                       | acity of jumper                          | (A)                   |
| Switchable cross connection                                      | n                                        |                       |
| Cross-connection identification                                  | tion strip (100 mm)                      | 0                     |
| Multiple common bar                                              |                                          | 250 mm                |
| Shunting screw and sleeve                                        |                                          |                       |
| Coloured partition                                               |                                          | red, green, white     |
| Cross connection barrier                                         |                                          | red                   |
| Test plug socket                                                 |                                          |                       |
| Test plug                                                        |                                          |                       |
| Short-circuit plate                                              | between 2 adjoinir<br>between 4 adjoinir |                       |
| Numbering strip                                                  |                                          |                       |
| Brass conducting cylinder                                        |                                          |                       |
| Screw and sleeve for short                                       | circui plates                            |                       |
| MSM handle                                                       |                                          |                       |
| Marking tag                                                      |                                          | printed or blank      |
| End bracket                                                      |                                          |                       |
| Mounting rail                                                    |                                          |                       |
| according to IEC 60715 St                                        | d.                                       |                       |
|                                                                  |                                          |                       |

|                                                                                | Cat. No | D. <b>S</b> I | R300GR |
|--------------------------------------------------------------------------------|---------|---------------|--------|
| SFR.6                                                                          | Cat. No | n             | SR300  |
| SFR.6 (Ex)                                                                     |         |               | 011000 |
| 51 H.U (LA)                                                                    | Cat. No | 0.            | SR400  |
|                                                                                |         |               |        |
| disconnect                                                                     |         |               |        |
| 6                                                                              |         |               |        |
| 0,2 ÷ 10<br>0,2 ÷ 10<br>6 - WP60/20<br>630 V / 33 A (with<br>600 V / 10 A / 20 |         |               |        |
| -<br>6 KV / 3                                                                  |         |               |        |
| 11                                                                             |         |               |        |
| 0,8 / 1,4                                                                      |         |               |        |
| 59 / 79 / 10                                                                   |         |               |        |
| 67 / 79 / 10                                                                   |         |               |        |
| 63 / 79 / 10                                                                   |         |               |        |
|                                                                                |         |               |        |

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| Туре                                                                                                                                | Cat. No.                                            |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| SFR.6/PT/GR<br>SFR.6/PT<br>SFR.6/PT (Ex)i                                                                                           | SR301GR<br>SR301<br>SR401                           |
| PTC/20/02 poles (*)<br>PTC/20/03 poles (*)<br>PTC/20/05 poles (*)<br>PTC/20/10 poles (*)<br>PTC/20/00 (25 poles) (*)                | PTC2002<br>PTC2003<br>PTC2005<br>PTC2010<br>PTC2000 |
| 25                                                                                                                                  |                                                     |
| PTC/SP                                                                                                                              | PTC0990                                             |
| -                                                                                                                                   |                                                     |
| DFU/7<br>DFM/300                                                                                                                    | DU07<br>DF300                                       |
| SDD/1                                                                                                                               | DD001                                               |
| -                                                                                                                                   |                                                     |
| -                                                                                                                                   |                                                     |
|                                                                                                                                     |                                                     |
| -                                                                                                                                   |                                                     |
|                                                                                                                                     | NU0851<br>BT005<br>BT001<br>T003-BT007              |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots<br>PR/DIN/AL of aluminium<br>PR/3/AC for PR/DIN and PR/3<br>PR/3/AS same with slots | PR001<br>PR004<br>PR002<br>PR003<br>PR005           |

| FPC.10         | Cat. No.     | FP100   |
|----------------|--------------|---------|
|                |              |         |
|                |              |         |
|                |              |         |
| disconnect     |              |         |
| 10             |              |         |
| 1,5 ÷ 16       |              |         |
| 1,5 ÷ 16       |              |         |
| 10 - WP100/2   | 1            |         |
| 800 V / 20 A ( |              |         |
| 600 V / 15 A / | 20-6 AWG / 7 | ' lb.in |
| -<br>6 KV / 3  |              |         |
| 17             |              |         |
| 1,2 / 1,9      |              |         |
| 70 / 63 / 12   |              |         |
| 74 / 63 / 12   |              |         |
| 78 / 63 / 12   |              |         |
| Me Terna       |              |         |
| 一人 LV 27/8     | DV 27/8      |         |
|                | KEUR 🖤       |         |

Cat. No.

DU06.

DD002

FC102

FC103

NU0851

BT005

BT001

PR001

PR004

PR005

BT003-BT007

| KEUR | S. |  |
|------|----|--|

--DFU/6

SDD/2

SFC/CO

CNU/8/51

MSM (6 elements)

BTU for PR/DIN and PR/3

BT/3-BTO for PR/3 only

PR/DIN/AC of steel

BT/DIN/PO for PR/DIN only

PR/DIN/AS same with slots

PR/3/AS same with slots

PR/DIN/AL of aluminium PR002 PR/3/AC for PR/DIN and PR/3 PR003



## Terminal blocks for test and measurement circuits

## with UL94V-0 polyamide insulating body

• universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

In SCB.6 type terminal block, the use of special cross-connections, formed by



allow the simultaneous earth connection of the current transformers connected to the terminal blocks themselves, guaranteeing the correct operational sequence. In fact such cross connections, in opened position, avoid the translation on the slide links, already connected in an accident prevention position from the outside; they do not require the insertion of further partitions to

separate them from other adjoining cross-connections or terminal blocks, due to the special shape of the insulating body of the terminal block itself. SCB.6 type terminal blocks have also the possibility to house, upstream and downstream the

In particular the shunts can take place:

- on **SCB/CPM** shunting screws of the short-circuit plates

disconnection, sockets for test plugs, suitable for the withdraw of signals.

- on **PSD/P** socket to be screwed directly into the conducting body of the terminal block, in order to perform the shunting function.

The slide-link is formed by two guides, held together by a screw inserted in a glass-shape collar, which allows the elastic blocking and the anti-loosening of the slide-link and is provided with a red protective colouring for the easy positioning of the screwdriver during the disconnection and the easy spotting of the slide-link itself.





## **Terminal blocks for** test and measurement circuits

#### with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(\*) For the simple cross-connection between adjoining terminal blocks the multiple common bar shall be used together with cross-connection screw and sleeves. The interposing barrier located in the insulating body of the terminal block shall be removed with the aid of a cutter

Cat. No.

Cat. No. SB200GR

SB200

SCB.6/GR

SCB.6

PR/3/AC for PR/DIN and PR/3

PR/3/AS same with slots

Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with test plug socket downstream and upstream the slide link, conforming to ENEL LV27/3 specification

Cat. No.

disconnect by slide-link special configuration for voltmetric circuits

Cat. No. SB210GR

SB210

PMP13

CPM57

DU06.

DD002

SB203

SB204

FC102

SB205

SB205R

NU0851

BT005

BT001

PR001

PR004

PR002

PR003

PR005

PR/3/AC for PR/DIN and PR/3

PR/3/AS same with slots

BT003-BT007

SCB.6/DD/GR

SCB.6/DD

 $0,5 \div 10$  $0,5 \div 10$ 6 - WP60/20 800 V / 41 A / A5



Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with test plug socket upstream and a short circuit sleeve downstream the slide link (for short circuit plates type SCB/6/PO/2 or SCB/6/PO/4, supplied separately), conforming to ENEL LV27/2 specification

| SCB.6/CI                                              |          | SB220GR          |
|-------------------------------------------------------|----------|------------------|
| SCB.6/CI                                              |          | 5B2206K          |
| 00210/01                                              | Cat. No. | SB220            |
|                                                       |          |                  |
|                                                       |          |                  |
| disconnect by<br>configuration f<br>6                 |          |                  |
| 0,5 ÷ 10<br>0,5 ÷ 10<br>6 - WP60/20<br>800 V / 41 A / | A5       |                  |
| -<br>8 KV / 3                                         |          |                  |
| 12                                                    |          |                  |
| 0,8 / 1,4<br>77 / 69 / 8                              |          |                  |
| 85/69/8                                               |          |                  |
| 80 / 69 / 8                                           |          |                  |
| Other approvals r                                     |          | inal block SCB.6 |
| Туре                                                  |          | Cat. No.         |
| SCB/6/PT/GR<br>SCB/6/PT                               |          | SB201GR<br>SB201 |
| POF/57                                                |          | POF57            |
| -<br>DMD/10                                           |          | DMD10            |
| PMP/13<br>CPM/57                                      |          | PMP13<br>CPM57   |

| 0,5 ÷ 10<br>0,5 ÷ 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 6 - WP60/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                             |
| 800 V / 41 A / A5<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                             |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |
| 8 KV / 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                             |
| 0,8 / 1,4<br>77 / 69 / 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                             |
| 85 / 69 / 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                             |
| 80 / 69 / 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                             |
| Terna Stefener<br>Lv 27/2 Stefener<br>Other approvale referring to termin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |
| Other approvals referring to termin<br>Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cat. No.                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| SCB/6/PT/GR<br>SCB/6/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SB201GR<br>SB201                                                                                                            |
| P0F/57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | POF57                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| PMP/13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PMP13                                                                                                                       |
| PMP/13<br>CPM/57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PMP13<br>CPM57                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| CPM/57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CPM57                                                                                                                       |
| CPM/57<br>DFU/6<br>-<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CPM57<br>DU06                                                                                                               |
| CPM/57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CPM57                                                                                                                       |
| CPM/57<br>DFU/6<br>-<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CPM57<br>DU06                                                                                                               |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CPM57<br>DU06<br>DD002                                                                                                      |
| CPM/57<br>DFU/6<br>-<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CPM57<br>DU06                                                                                                               |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/P0/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CPM57<br>DU06<br>DD002<br>SB203                                                                                             |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/PO/2<br>SCB/6/PO/4<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CPM57<br>DU06<br>DD002<br>SB203<br>SB204                                                                                    |
| CPM/57<br>DFU/6<br>-<br>SDD/2<br>-<br>SCB/6/P0/2<br>SCB/6/P0/4<br>-<br>SCB/6/CPM/R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB205R                                                                          |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/P0/2<br>SCB/6/P0/4<br>-<br>-<br>SCB/6/CPM/R<br>CNU/8/51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB205R<br>NU0851                                                                |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/P0/2<br>SCB/6/P0/4<br>-<br>-<br>SCB/6/P0/4<br>-<br>SCB/6/PM/R<br>CNU/8/51<br>BTU for PR/DIN and PR/3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB205R<br>NU0851<br>BT005                                                       |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/PO/2<br>SCB/6/PO/4<br>-<br>-<br>SCB/6/PO/4<br>-<br>-<br>SCB/6/CPM/R<br>CNU/8/51<br>BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB205R<br>NU0851                                                                |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/PO/2<br>SCB/6/PO/4<br>-<br>-<br>SCB/6/PO/4<br>-<br>-<br>SCB/6/CPM/R<br>CNU/8/51<br>BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB205R<br>NU0851<br>BT005<br>BT001                                              |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/PO/2<br>SCB/6/PO/4<br>-<br>-<br>SCB/6/CPM/R<br>CNU/8/51<br>BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3-BT0 for PR/3 only<br>BT/3-BT0 for PR/3-BT0 for PR/3 only<br>BT/3-BT0 for PR/3 only | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB205R<br>NU0851<br>BT005<br>BT001<br>PT003-BT007<br>PR001<br>PR004             |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/PO/2<br>SCB/6/PO/2<br>SCB/6/PO/4<br>-<br>-<br>-<br>SCB/6/CPM/R<br>CNU/8/51<br>BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3-BTO for PR/DI Nonly<br>BT/3-BTO for PR/2 only<br>BT/3-BTO for PR/3-BTO for PR/2 only<br>BT/3-BTO for PR/3-BTO                                              | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB204<br>SB205R<br>NU0851<br>BT005<br>BT001<br>PR001<br>PR001<br>PR004<br>PR002 |
| CPM/57<br>DFU/6<br>-<br>-<br>SDD/2<br>-<br>-<br>SCB/6/PO/2<br>SCB/6/PO/4<br>-<br>-<br>SCB/6/CPM/R<br>CNU/8/51<br>BTU for PR/DIN and PR/3<br>BT/DIN/PO for PR/DIN only<br>BT/3-BT0 for PR/3 only<br>BT/3-BT0 for PR/3-BT0 for PR/3 only<br>BT/3-BT0 for PR/3 only | CPM57<br>DU06<br>DD002<br>SB203<br>SB204<br>SB205R<br>NU0851<br>BT005<br>BT001<br>PT003-BT007<br>PR001<br>PR004             |

#### The /GR tag indicates the grey colour version

| grey version                                                                                                |                        |
|-------------------------------------------------------------------------------------------------------------|------------------------|
| beige vers                                                                                                  | sion                   |
| (Ex)i vers                                                                                                  | ion                    |
| TECHNICAL CHARA                                                                                             | CTERISTICS             |
| function / type                                                                                             |                        |
| rated cross-section                                                                                         | (mm²)                  |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe                | (mm²)<br>(mm²)         |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig<br>(Ex e) rated voltage/ | conf. to IEC 60947-7-1 |
| rated impulse withstand voltage / pollu                                                                     | ( )                    |
| insulation stripping length                                                                                 | (mm)                   |
| tightening torque value (test / max)                                                                        | (Nm)                   |
| height / width / thickness                                                                                  | TH/35 7,5 mm - س       |
| height / width / thickness                                                                                  | ſ TH/35 15 mm          |
| height / width / thickness                                                                                  | <b>G</b> 32            |

#### **APPROVALS**

| ACC                                                           | CESSORIES                                                                  |
|---------------------------------------------------------------|----------------------------------------------------------------------------|
| End sections                                                  | grey<br>beige<br>blue                                                      |
| Permanent cross connection<br>(*) intrinsically IPXXB protein | u ,                                                                        |
| Switchable cross connection                                   | on                                                                         |
| Multiple common bar                                           | 250 mm                                                                     |
| Shunting screw and sleeve                                     | 9                                                                          |
| Coloured partition                                            | red, green, white                                                          |
| Cross connection barrier                                      | red                                                                        |
| Test plug socket                                              |                                                                            |
| Test plug                                                     |                                                                            |
| Numbering strip                                               |                                                                            |
| Cover for cross-connection                                    |                                                                            |
| Short-circuit plate                                           | between 2 adjoining terminal blocks<br>between 4 adjoining terminal blocks |
| Brass conducting cylinder                                     |                                                                            |
| Screw and sleeve                                              |                                                                            |
| Screw and sleeve with red                                     |                                                                            |
| Marking tag                                                   | printed or blank                                                           |
| End bracket                                                   |                                                                            |
| Mounting rail according to IEC 60715 St                       | td.                                                                        |
|                                                               | <u>ب</u>                                                                   |

| disconnect by slide-link                                                                |                  |
|-----------------------------------------------------------------------------------------|------------------|
| 6                                                                                       |                  |
| 0,5 ÷ 10<br>0,5 ÷ 10<br>6 - WP60/20<br>800 V / 41 A / A5<br>600 V / 47 A / 20-8 AWG / 1 | 3,3 lb.in.       |
| -                                                                                       |                  |
| 8 KV / 3<br>12                                                                          |                  |
| 0,8 / 1,4                                                                               |                  |
| 65 / 69 / 8                                                                             |                  |
| 73 / 69 / 8                                                                             |                  |
| 68 / 69 / 8                                                                             |                  |
| KEUR                                                                                    |                  |
| Туре                                                                                    | Cat. No.         |
| SCB/6/PT/GR<br>SCB/6/PT                                                                 | SB201GR<br>SB201 |
| -                                                                                       |                  |

| . / 20-8 AWG . | / 13,3 lb.in.    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |
|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                |                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |
|                |                  | 8 KV / 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
|                |                  | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
|                |                  | 0,8 / 1,4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
|                |                  | 76 / 69 / 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
|                |                  | 84 / 69 / 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
|                |                  | 79 / 69 / 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
| EMA<br>EUR     |                  | March Strand Str | Sec. Br          |
|                | Cat. No.         | Туре                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cat. No.         |
| R              | SB201GR<br>SB201 | SCB/6/PT/GR<br>SCB/6/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SB201GR<br>SB201 |
|                | POF57            | P0F/57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | POF57            |

| P0F/57                    | POF57       | P0F/57                    |
|---------------------------|-------------|---------------------------|
| -                         |             | -                         |
| PMP/13                    | PMP13       | PMP/13                    |
| CPM/57                    | CPM57       | CPM/57                    |
| DFU/6                     | DU06        | DFU/6                     |
| -                         |             | -                         |
| PSD/P                     | PD015       | -                         |
| SDD/2                     | DD002       | SDD/2                     |
| -                         |             | -                         |
| -                         |             | -                         |
| SCB/6/P0/2                | SB203       | SCB/6/P0/2                |
| SCB/6/P0/4                | SB204       | SCB/6/P0/4                |
| SFC/CO                    | FC102       | SFC/CO                    |
| SCB/6/CPM                 | SB205       | SCB/6/CPM                 |
| SCB/6/CPM/R               | SB205R      | SCB/6/CPM/R               |
| CNU/8/51                  | NU0851      | CNU/8/51                  |
| BTU for PR/DIN and PR/3   | BT005       | BTU for PR/DIN and PR/3   |
| BT/DIN/PO for PR/DIN only | BT001       | BT/DIN/PO for PR/DIN only |
| BT/3-BTO for PR/3 only    | BT003-BT007 | BT/3-BTO for PR/3 only    |
| PR/DIN/AC of steel        | PR001       | PR/DIN/AC of steel        |
| PR/DIN/AS same with slots | PR004       | PR/DIN/AS same with slots |
| PR/DIN/AL of aluminium    | PR002       | PR/DIN/AL of aluminium    |

PR003

PR005

## **Terminal blocks for test** and measurement circuits

#### with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3, "G32" and TH/35 type rails conforming to IEC 60715 Std.
- /DD version (with test plug sockets upstream and downstream the slide link) - for voltmetric circuits
- /CD version (with test plug sockets upstream and downstream the slide link and short-circuit sleeve upstream the slide-link) - for ammetric circuits
- available in beige (RAL 1001) and grey (RAL 7042) colours

| grey vers                                                                                                                                                                                                                                            | ion                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| beige vers                                                                                                                                                                                                                                           | sion                                                       |
| (Ex)i vers                                                                                                                                                                                                                                           | sion                                                       |
| CARATTERISTICH                                                                                                                                                                                                                                       | E TECNICHE                                                 |
| function / type                                                                                                                                                                                                                                      |                                                            |
| rated cross-section                                                                                                                                                                                                                                  | (mm²)                                                      |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-f<br>rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / ti<br>(Ex e) rated voltage/r<br>rated impulse withstand voltage / poll | conf. to IEC 60947-7-1<br>ightening torque value UL<br>(V) |
| insulation stripping length<br>tightening torque value (test / max)<br>height / width / thickness<br>height / width / thickness<br>height / width / thickness                                                                                        | (mm)<br>(Nm)                                               |
|                                                                                                                                                                                                                                                      |                                                            |

**APPROVALS** 

**ACCESSORIES** 

# cabur



Rail assemmbly with all accessories necessary for the connection of current transformers

The /GR tag indicates the grey colour version.

| SCB.10/GR<br>Cat. No. SB400GR | SC           |
|-------------------------------|--------------|
| SCB.10                        | SC           |
| Cat. No. SB400                | 001          |
|                               |              |
|                               |              |
|                               |              |
| disconnect by slide-link      | disco        |
| 10                            | config<br>10 |
| 10                            | 10           |
| 0,5 ÷ 16                      | 0,5 ÷        |
| 0,5 ÷ 16                      | 0,5 ÷        |
| 10 - WP100/21                 | 10 -         |
| 1000 V / 57 A / A4            | 1000         |
|                               | -            |
| 8 KV / 3                      | 8 KV         |
| 14                            | 14           |
| 0,5 / 1,2                     | 0,5 /        |
| 59,5 / 75 / 10,5              | 59,5         |
| 67,5 / 75 / 10,5              | 67,5         |
| 63,5 / 75 / 10,5              | 63,5         |

| SCB.10/DD/GR                                         | )                |
|------------------------------------------------------|------------------|
|                                                      | o. SB410GR       |
| SCB.10/DD                                            | to. Ob fround    |
| Cat. N                                               | lo. <b>SB410</b> |
| out i                                                |                  |
|                                                      |                  |
|                                                      |                  |
| disconnect by slide-link<br>configuration for voltme |                  |
| 10                                                   |                  |
| 0,5 ÷ 16                                             |                  |
| 0,5 ÷ 16                                             |                  |
| 10 - WP100/21<br>1000 V / 57 A / A4                  |                  |
| 1000 V / 5/ A / A4                                   |                  |
| -                                                    |                  |
| 8 KV / 3                                             |                  |
| 14                                                   |                  |
| 0,5 / 1,2                                            |                  |
| 59,5 / 75 / 10,5                                     |                  |
| 67,5 / 75 / 10,5                                     |                  |
| 63,5 / 75 / 10,5                                     |                  |

| disconnect by slide-link special<br>configuration for amperometric circuits<br>10 |
|-----------------------------------------------------------------------------------|
| 10                                                                                |
| 0,5 ÷ 16                                                                          |
| 0,5 ÷ 16                                                                          |
| 10 - WP100/21                                                                     |
| 1000 V / 57 A / A4                                                                |
| -                                                                                 |
| -                                                                                 |
| 8 KV / 3                                                                          |
| 14                                                                                |
| 0 5 / 1 0                                                                         |

Cat. No.

Cat. No. SB420GR

SB420

SCB.10/CD/GR

SCB.10/CD

0,5 / 1,2 59,5 / 75 / 10,5 67,5 / 75 / 10,5 63,5 / 75 / 10,5

#### KEMA-KEUR, UL pending

KEMA-KEUR, UL pending

| End sections                               | grey<br>beige                                                              |
|--------------------------------------------|----------------------------------------------------------------------------|
| Permanent cross connection                 | n                                                                          |
| Switchable cross connection                | n                                                                          |
| Multiple common bar                        | 250 mm                                                                     |
| Shunting screw and sleeve                  |                                                                            |
| Coloured partition                         | red, green, white                                                          |
| Cross connection barrier                   | red                                                                        |
| Test plug socket                           |                                                                            |
| Test plug                                  |                                                                            |
| Numbering strip                            |                                                                            |
| Short-circuit plate                        | between 2 adjoining terminal blocks<br>between 4 adjoining terminal blocks |
| Marking tag                                | printed or blank                                                           |
| End bracket                                |                                                                            |
| Mounting rail<br>according to IEC 60715 St | :d.                                                                        |
|                                            | ~r                                                                         |

| Туре                        | Cat. No.         |
|-----------------------------|------------------|
| SCB/10/PT/GR<br>SCB/10/PT   | SB401GR<br>SB401 |
| P0F/56                      | POF56            |
| PMP/13                      | PMP13            |
| CPM/57                      | CPM57            |
| DFU/7                       | DU07             |
| -                           |                  |
| PSD/P                       | PD015            |
| SDD/2                       | DD002            |
| -                           |                  |
| SCX/CPM                     | SB105            |
| SCX/PO/2                    | SC103            |
| SCX/PO/4                    | SC104            |
| CNU/8/51<br>-               | NU0851           |
| BTU for PR/DIN and PR/3     | BT005            |
| BT/DIN/PO for PR/DIN only   | BT001            |
|                             | 3T003-BT007      |
| PR/DIN/AC of steel          | PR001            |
| PR/DIN/AS same with slots   | PR004            |
| PR/DIN/AL of aluminium      | PR002            |
| PR/3/AC for PR/DIN and PR/3 |                  |
| PR/3/AS same with slots     | PR005            |

| Туре                        | Cat. No.         |
|-----------------------------|------------------|
| SCB/10/PT/GR<br>SCB/10/PT   | SB401GR<br>SB401 |
| POF/56                      | POF56            |
| PMP/13                      | PMP13            |
| CPM/57                      | CPM57            |
| DFU/7                       | DU07             |
| -                           |                  |
| PSD/P                       | PD015            |
| SDD/2                       | DD002            |
| -                           |                  |
| SCX/CPM                     | SB105            |
| SCX/P0/2                    | SC103            |
| SCX/P0/4                    | SC104            |
| CNU/8/51                    | NU0851           |
| BTU for PR/DIN and PR/3     | BT005            |
| BT/DIN/PO for PR/DIN only   | BT001            |
|                             | 3T003-BT007      |
| PR/DIN/AC of steel          | PR001            |
| PR/DIN/AS same with slots   | PR004            |
| PR/DIN/AL of aluminium      | PR002            |
| PR/3/AC for PR/DIN and PR/3 |                  |
| PR/3/AS same with slots     | PR005            |
|                             |                  |

#### KEMA-KEUR, UL pending

| Туре                                                   | Cat. No.         |
|--------------------------------------------------------|------------------|
| SCB/10/PT/GR<br>SCB/10/PT                              | SB401GR<br>SB401 |
| POF/56                                                 | POF56            |
| PMP/13                                                 | PMP13            |
| CPM/57                                                 | CPM57            |
| DFU/7                                                  | DU07             |
| -                                                      |                  |
| PSD/P                                                  | PD015            |
| SDD/2                                                  | DD002            |
| -                                                      |                  |
| SCX/CPM                                                | SB105            |
| SCX/PO/2                                               | SC103            |
| SCX/PO/4                                               | SC104            |
| CNU/8/51                                               | NU0851           |
| BTU for PR/DIN and PR/3                                | BT005            |
| BT/DIN/PO for PR/DIN only                              | BT001            |
| ,                                                      | T003-BT007       |
| PR/DIN/AC of steel                                     | PR001            |
| PR/DIN/AS same with slots                              | PR004            |
| PR/DIN/AL of aluminium                                 | PR002            |
| PR/3/AC for PR/DIN and PR/3<br>PR/3/AS same with slots |                  |
| PR/J/AJ Same With Slots                                | PR005            |



## **Diode-holders** with UL94V-0 polyamide insulating body

- for 1 A diodes (1N4001 ÷ 1N4007 types)
- for 3 A diodes (BY 255 type)
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(\*\*) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

The /GR tag indicates the grey colour version

#### grey version beige version **TECHNICAL CHARACTERISTICS** function / type rated cross-section (mm<sup>2</sup>) connecting capacity flexible (mm<sup>2</sup>) rigid (mm<sup>2</sup>) ngia max. flexible with ferrule (mm<sup>2</sup>)-ferrule type litane / rated current / gauge conf. to IEC 60947-7-1 rated voltage / rated current / gauge conf. to IEC 6094 rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V) rated impulse withstand voltage / pollution degree insulation stripping length (mm) tightening torgue value (test / max) (Nm) height / width / thickness \_**r** TH/35 7,5 mm height / width / thickness 11/35 15 mm height / width / thickness **G**32

#### **APPROVALS**

| ACCESSORIES                                                          |                       | Туре                       |
|----------------------------------------------------------------------|-----------------------|----------------------------|
| End sections                                                         | grey<br>beige<br>blue | SFR/P<br>SFR/P<br>SFR/P    |
| Permanent cross connection                                           |                       | -                          |
| Switchable cross connection                                          |                       | -                          |
| Multiple common bar                                                  | 250 mm                | -                          |
| Shunting screw and sleeve                                            |                       | -                          |
| Coloured partition                                                   | red, green, white     | DFU/3                      |
| Cross connection barrier                                             | red                   | -                          |
| Test plug socket                                                     |                       | -                          |
| Test plug                                                            |                       | -                          |
| Numbering strip                                                      |                       | -                          |
| Miniature fuse                                                       |                       | -                          |
| Conducting element                                                   |                       | -                          |
| Cartridge / insert with 1A diode<br>Cartridge / insert with 3A diode |                       | SFR/I1<br>SFR/I3           |
| Marking tag                                                          | printed or blank      | CNU/8                      |
| End bracket                                                          |                       | BTU fo<br>BT/DII<br>BT/3-I |
| Mounting rail according to IEC 60715 Std.                            |                       | PR/DI<br>PR/DI<br>PR/DI    |
|                                                                      |                       | DD /0 /                    |

| Nounting rail according to IEC 60715 Std. |   |
|-------------------------------------------|---|
|                                           | ~ |

(\*) value referred to the insulation characteristics of the terminal block

| SFR.4/GR          |          |         |
|-------------------|----------|---------|
|                   | Cat. No. | SF900GR |
| SFR.4             |          |         |
|                   | Cat. No. | SF900   |
|                   |          |         |
|                   |          |         |
|                   |          |         |
| for 1 A or 3 A di | odes     |         |
| 4                 |          |         |
|                   |          |         |
| 0,2 ÷ 6           |          |         |
| 0,2 ÷ 6           |          |         |
| 4 - WP40/16       |          |         |
| 800 V (*) / 1 (3) | A / A4   |         |
| -                 |          |         |
| -                 |          |         |
| 6 KV (*) / 3      |          |         |
| 11                |          |         |
| 0,5 / 1,2         |          |         |
| 52 / 52 / 8       |          |         |
| 60 / 52 / 8       |          |         |
| 56 / 52 / 8       |          |         |

Approvals referring to standard version (see page 32)

| Туре                                                 | Cat. No.                  |
|------------------------------------------------------|---------------------------|
| SFR/PT/GR<br>SFR/PT<br>SFR/PT (Ex)i                  | SF701GR<br>SF701<br>SF801 |
| -                                                    |                           |
| -                                                    |                           |
| -                                                    |                           |
| -                                                    |                           |
| DFU/3                                                | DU03                      |
| •                                                    |                           |
| -                                                    |                           |
| -                                                    |                           |
| -                                                    |                           |
| -                                                    |                           |
| -                                                    | 05000                     |
| SFR/I1A (with 1 A diode)<br>SFR/I3A (with 3 A diode) | SF992<br>SF993            |
| CNU/8/51                                             | NU0851                    |
| BTU for PB/DIN and PB/3                              | BT005                     |
| BT/DIN/PO for PR/DIN only                            | BT001                     |
| ,                                                    | 3T003-BT007               |
| PR/DIN/AC of steel                                   | PR001                     |
| PR/DIN/AS same with slots                            | PR004                     |
| PR/DIN/AL of aluminium                               | PR002                     |
| PR/3/AC for PR/DIN and PR/3                          | 111000                    |
| PR/3/AS same with slots                              | PR005                     |

The SFR/I1A or SFR/3A inserts are supplied as an accessory and are to be mounted in the lever of SFR.4 terminal block, in order to transform it in diodeholder

## **Diode-holders** with UL94V-0 polyamide insulating body

- with 1 A / 3 A diodes
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

Grey colured version also available: SFR.4/D1A/GR Cat. No. SF901GR

#### standard version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                                                    |                        |
|------------------------------------------------------------------------------------|------------------------|
| rated cross-section                                                                | (mm <sup>2</sup> )     |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm²)-fr    | (mm²)<br>(mm²)         |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig | conf. to IEC 60947-7-1 |
| (Ex e) rated voltage                                                               | (V)                    |
| rated impulse withstand voltage / poll                                             | ution degree           |
| insulation stripping length                                                        | (mm)                   |
| tightening torque value (test / max)                                               | (Nm)                   |
| height / width / thickness                                                         | TH/35 7,5 mm           |
| height / width / thickness                                                         | <b>`</b> ſ TH/35 15 mm |
| height / width / thickness                                                         | <b>G</b> 32            |

#### **APPROVALS**

| ACCESSORIES                                                            |                   | Туре                 |
|------------------------------------------------------------------------|-------------------|----------------------|
| End sections                                                           | beige<br>grey     | SFR.                 |
| Permanent cross connection                                             | 9109              | -                    |
| Switchable cross connection                                            |                   | -                    |
| Multiple common bar                                                    | 250 mm            | -                    |
| Shunting screw and sleeve                                              |                   | -                    |
| Coloured partition                                                     | red, green, white | DFU                  |
| Cross connection barrier                                               | red               | -                    |
| Test plug socket                                                       |                   | -                    |
| Test plug                                                              |                   | -                    |
| Numbering strip                                                        |                   | -                    |
| Miniature fuse                                                         |                   | F5                   |
| Conducting element                                                     |                   | -                    |
| Cartridge / insert with 1 A diode<br>Cartridge / insert with 3 A diode |                   | SFR/                 |
| Marking tag                                                            | printed or blank  | CNU                  |
| End bracket                                                            |                   | BTU<br>BT/E<br>BT/3  |
| Mounting rail according to IEC 60715 Std.                              |                   | PR/D<br>PR/D<br>PR/D |

~\_\_\_\_

◆ cabur



(\*\*) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

(\*) value referred to the insulation characteristics of the terminal block

| SFR.4/D1A<br>Cat. No.                                         | SF901 |
|---------------------------------------------------------------|-------|
| SFR.4/D3A<br>Cat. No.                                         | SF903 |
|                                                               |       |
| with 1 A or 3 A diodes<br>4                                   |       |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>800 V (*) / 1 (3) A / A4 |       |
| -                                                             |       |
| 6 KV (*) / 3<br>11                                            |       |
| 0,5 / 1,2<br>52 / 52 / 8<br>60 / 52 / 8<br>56 / 52 / 8        |       |

Approvals referring to standard version (see page 32)

| Туре                        | Cat. No.         |
|-----------------------------|------------------|
| SFR.4/PT<br>SFR/PT/GR       | SF701<br>SF701GR |
| -                           |                  |
|                             |                  |
| -                           |                  |
| -                           |                  |
| -                           |                  |
| DFU/3                       | DU03             |
| -                           |                  |
| -                           |                  |
| -                           |                  |
| -                           |                  |
| F5                          | FN               |
| -                           |                  |
| SFR/I1A (with 1 A diode)    | SF992            |
| SFR/I3A (with 3 A diode)    | SF993            |
| CNU/8/51                    | NU0851           |
| BTU for PR/DIN and PR/3     | BT005            |
| BT/DIN/PO for PR/DIN only   | BT001            |
|                             | T003-BT007       |
| PR/DIN/AC of steel          | PR001            |
| PR/DIN/AS same with slots   | PR004            |
| PR/DIN/AL of aluminium      | PR002            |
| PR/3/AC for PR/DIN and PR/3 | 111000           |
| PR/3/AS same with slots     | PR005            |

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The terminal block is supplied with the following types of diodes mounted: - 1 A (1N4007 type) SFR.4/D1 A - 3 A (BY 255 type) SFR.4/D3 A



## With electronic components with UL94V-0 polyamide insulating body

- with cross-connection possibility
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std.
- · 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675. 1989
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours



**DAS 4/D...**type terminal blocks, with suppresser diodes inserted as in **diagram 3**, restrict voltage peaks due to surges, electrostatic discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test) standards.

The suppresser diodes have a response time (< 1 ns) which is much lower than that of the varistors (approximately 25 ns) and a lower and more accurate response voltage, although compared to varistors they withstand lower discharge currents.

The high precision of the trip voltage and the high speed make them suitable for protecting I/O signal inputs of industrial PLC's, DCS's and PCs against discharge current and voltage interference below 500 A pulse 8/20 ms. This type of interference is usually caused by the normal operation of the actual systems due to switching of high inductive loads, dispersed currents, faults etc.

The range of models available provides a choice between rated voltages suitable for protecting signals with standard voltages of 5 V dc, 12 V dc, 24 V dc and 60 V dc.

The **DAS 4/D...**, connected as shown in **diagram 4**, provides effective protection against differential mode interference for inputs and outputs of industrial PLCs, DCSs and PCs, signal conditioners and sensors, and also for stabilised continuous voltage power supply units of electronic equipment in general.

The DAS 4/D..., does not have a signal wiring direction to observe and the positive and negative polarity connection can be carried out at both the upper and lower level.

**Differential mode interference (diagram 5):** generates a strong difference in potential between the two positive and negative signal conductors of the pair or power supply unit and, being applied directly to the input/output circuits of the equipment, always causes a fault in the same.

**Differential mode interference (diagram 6):** generates a strong difference in potential between the two conductors of a signal or power supply unit and the reference earth. It is less destructive than differential mode interference.

**Caution:** the installation of devices for protection against power surges with varistors, diodes and other components between signal and/or power supply conductors and the protection earth reduces the isolation voltage to approximately the value V of breakdown of the discharger used. To carry out isolation tests on the equipment disconnect the dischargers (standard CEI EN60950).

Cat. No.

DS101GR

/GR

| grey ve                                   | ersion                      | DAS.4/6/D                                                         |
|-------------------------------------------|-----------------------------|-------------------------------------------------------------------|
| beige v                                   | ersion                      | DAS.4/6/D                                                         |
| ACCESS                                    | ORIES                       | Туре                                                              |
| End sections                              | grey<br>beige<br>blue       | DAS/PT/GR<br>DAS/PT                                               |
| Permanent cross connection (pre-          | assembled)                  | PM/41/2 poles<br>PM/51/3 poles<br>PM/51/5 poles<br>PM/51/10 poles |
| Switchable cross connection               |                             | P0S/43                                                            |
| Multiple common bar                       | 250 mm                      | PMP/58                                                            |
| Shunting screw and sleeve                 |                             | CPM/01                                                            |
| Coloured partition                        | red, green, white           | DFU/7                                                             |
| Cross connection barrier                  | red                         | -                                                                 |
| Test plug socket                          |                             | PSD/A                                                             |
| Test plug                                 |                             | SDD/1                                                             |
| Modular test plug                         |                             | -                                                                 |
| End section for modular test plug         |                             | -                                                                 |
| Numbering strip                           |                             | CNU/8/61                                                          |
| Warning plate                             | on adjacent terminal blocks | -                                                                 |
| Cover for cross-connection                | red, blue or white          | PRP/5                                                             |
| Marking tag                               | printed or blank            | CNU/8/51                                                          |
| End bracket                               |                             | BTU for PR/DIN and P<br>BT/DIN/PO for PR/D<br>BT/3-BTO for PR/3 o |
| Mounting rail according to IEC 60715 Std. |                             | PR/DIN/AC of steel<br>PR/DIN/AS same wi<br>PR/DIN/AL of alumin    |
|                                           | ~r                          | PR/3/AC for PR/DIN                                                |

DS101 PM412 PM513 PM515 PM510 POS43 PMP58 CPM01 DU07.. PD001 DD001 NU0861 PRP05 NU0851 BT005 PR/3 DIN only BT001 BT003-BT007 onlv PR001 vith slots PR004 PR002 inium and PR/3 PR003 PR/3/AS same with slots PR005



instructions below.

equipment to be protected;

Differential mode interference. The potential difference is applied between positive and negative poles of the power supply signal.



Common mode interference.

Note for wiring: wiring of the power surge protection devices greatly

influences their actual efficacy and we recommend following the

- the protection device must be placed as close as possible to the

- the connection wires must be as short and straight as possible,

interwoven with each other and with the largest possible cross section;

- the earth conductors between common mode dischargers and the

equipotential busbar must be as short as possible and with the largest

possible cross section and their path must not be parallel to other

conductors. The earth of the protected equipment must be connected

to the same earth of its discharger and from there to the general

The potential difference is applied between the poles of the signal/power supply unit and the earth.

## With electronic components with UL94V-0 polyamide

## insulating body

- with cross-connection possibility on lower level
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours

(\*) values referred to the characteristics of the connection The /GR tag indicates the grey colour version.

| grey vers                                       | ion              | DAS.4/D/GR                     |
|-------------------------------------------------|------------------|--------------------------------|
| beige ver                                       | beige version    |                                |
|                                                 |                  |                                |
| TECHNICAL CHAR                                  | ACTERISTICS      |                                |
| function / type                                 |                  | 2 levels with suppresser diode |
| rated cross-section                             | (mm              | <sup>2</sup> ) 4               |
| connecting capacity                             |                  |                                |
| flexible                                        | (mm              | , , ,                          |
| rigid                                           | (mm              |                                |
| max. flexible with ferrule (mm <sup>2</sup> )-f |                  | 4 - WP40/16                    |
| rated voltage / rated current / gauge           |                  |                                |
| rated voltage / rated current / AWG / ti        |                  |                                |
| rated impulse withstand voltage / poll          | 0                | 8 KV / 3                       |
| insulation stripping length                     | (mn              | ,                              |
| tightening torque value (test / max)            | (Nn              | 7 7 7                          |
| height / width / thickness                      | TH/35 7,5 mm مےں |                                |
| height / width / thickness                      | └── TH/35 15 mm  | 70 / 64 / 6                    |
| height / width / thickness                      | 🖵 G32            | 66 / 64 / 6                    |

#### **APPROVALS**

Other approvals referring to DAS.4 standard version

| TECHNICAL DATA           |       |
|--------------------------|-------|
| Rated voltage            |       |
| Vdc max.                 | (Vcc) |
| Vac max.                 |       |
| Breakdown voltage (1 mA) |       |
| Max clamping voltage     | (V)   |
| Response time            |       |
| lsc pulse 8/20 µs        | (A)   |
| C (1 kHz)                |       |

| DAS.4/D5/       | <b>GR</b> |     |          |
|-----------------|-----------|-----|----------|
|                 | Cat.      | No. | DSD005GR |
| <b>DAS.4/D5</b> |           |     |          |
|                 | Cat.      | No. | DSD005   |
| 5               |           |     |          |
| 6,45            |           |     |          |
| -               |           |     |          |
| $6,8 V \pm 5\%$ |           |     |          |
| 11              |           |     |          |
| < 1 ns          |           |     |          |
| 750             |           |     |          |
| 5 nF            |           |     |          |

| DAS.4/D1        |          | DSD012GR |
|-----------------|----------|----------|
| <b>DAS.4/D1</b> | _        |          |
|                 | Cat. No. | DSD012   |
| 12              |          |          |
| 15,2            |          |          |
| -               |          |          |
| $16 V \pm 5\%$  |          |          |
| 23              |          |          |
| < 1 ns          |          |          |
| 350             |          |          |
| 3 nF            |          |          |

| TECHNICAL DATA           |       |
|--------------------------|-------|
| Rated voltage            |       |
| Vdc max.                 | (Vcc) |
| Vac max.                 |       |
| Breakdown voltage (1 mA) |       |
| Max clamping voltage     | (V)   |
| Response time            |       |
| lsc pulse 8/20 µs        | (A)   |
| C (1 kHz)                |       |

| DAS.4/D24/       | /GI  | R   |          |
|------------------|------|-----|----------|
| (                | Cat. | No. | DSD024GR |
| <b>DAS.4/D24</b> |      |     |          |
| (                | Cat. | No. | DSD024   |
| 24               |      |     |          |
| 28,5             |      |     |          |
| -                |      |     |          |
| $30 V \pm 5\%$   |      |     |          |
| 41               |      |     |          |
| < 1 ns           |      |     |          |
| 160              |      |     |          |
| 1,5 nF           |      |     |          |

| 2          |          |
|------------|----------|
|            |          |
| / ± 5%     |          |
|            |          |
| ns         |          |
|            |          |
| -          |          |
|            |          |
|            |          |
|            |          |
| S.4/D60/GR |          |
|            | DSD060GR |

|                 | Udl. | INO. | DODOORK |
|-----------------|------|------|---------|
| <b>DAS.4/D6</b> | )    |      |         |
|                 | Cat. | No.  | DSD060  |
| 60              |      |      |         |
| 77,9            |      |      |         |
| -               |      |      |         |
| $82 V \pm 5\%$  |      |      |         |
| 113             |      |      |         |
| < 1 ns          |      |      |         |
| 70              |      |      |         |
| 0,6 nF          |      |      |         |

DA



52

## With electronic components with UL94V-0 polyamide insulating body

- · for overlapped circuits with varistor
- cross-connection possibility on lower level
- protection against overvoltage, transistor, pulse jamming
- class D protection according to DIN VDE 0675
- overvoltage category <2.5 KV, II (acc. to DIN VDE 0110.1)</li>
- available in grey RAL 7042 and beige RAL 1001 colours

DAS.4V... type terminal blocks with, varistor inserted as in **diagram 1**, restrict voltage peaks due to surges, indirect atmospheric discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the standards EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test).

🔨 cabur

The varistors have a response time (20-25 ns) which is longer than that of the suppresser diodes (< 1 ns) and a higher response voltage, although they withstand much higher discharge currents. The high discharge current makes them suitable for uses with strong transients, with currents up to 4500 A pulse 8/20 ms.

The range of models available provides a choice between rated voltages suitable for protecting both signals and power supply units with standard voltages of 24 V dc and 48 V dc or for power supply voltages of 120 V ac and 230 V ac.

The DAS.4V..., connected as shown in diagram 2, provides effective protection against differential mode interference for inputs and outputs of industrial PLC's, DCS's and PC's, signal conditioners and sensors, and also for power supply units of electronic equipment in general.

The DAS.4V... does not have a signal wiring direction to observe and the positive and negative polarity connection is carried out at both the upper and lower level.

DAS.4/V.../GR

DAS.4/V...

2 levels with varistor

(mm<sup>2</sup>)

(mm<sup>2</sup>)

(mm<sup>2</sup>)

UL

(mm)

(Nm)

conf. to IEC 60947-7-1

- TH/35 7,5 mm

**TH/35 15 mm** 

DAS\_4/V24/GR

ъ G32

Г

4

 $0,2 \div 6$  $0,2 \div 6$ 

8 KV / 3

62/64/6

70/64/6

66 / 64 / 6

c Rus

Other approvals referring to DAS.4 standard version

DAC ANAO/CD

9 0,5/1,2

4 - WP40/16

630 V / 32 A / A4 (\*)

The /GR tag indicates the grey colour version

function / type

rated cross-section

connecting capacity flexible

riaid

insulation stripping length

height / width / thickness

height / width / thickness

height / width / thickness

rated voltage / rated current / gauge

tightening torque value (test / max)

grey version

beige version

(Ex)i version **TECHNICAL CHARACTERISTICS** 

#### **APPROVALS**

max. flexible with ferrule (mm<sup>2</sup>)-ferrule type

rated impulse withstand voltage / pollution degree

rated voltage / rated current / AWG / tightening torque value

| TECHNICAL | DATA |
|-----------|------|
|           |      |

| Rated voltage            |       |
|--------------------------|-------|
| Vdc max.                 | (Vcc) |
| Vac max.                 |       |
| Breakdown voltage (1 mA) |       |
| Max clamping voltage     | (V)   |
| Response time            |       |
| lsc pulse 8/20 µs        | (A)   |
| C (1 kHz)                |       |
|                          |       |

| No.  | OSV024GR                 |
|------|--------------------------|
| -    | D01/00 4                 |
| INO. | DSV024                   |
|      |                          |
|      |                          |
|      |                          |
|      |                          |
|      |                          |
|      |                          |
|      |                          |
|      |                          |
|      | No. <b>[</b><br>4<br>No. |

| DA5.4/V48/G |          |
|-------------|----------|
| Cat. No.    | DSV048GR |
| DAS.4/V48   |          |
| Cat. No.    | DSV048   |
| 48          |          |
| 85          |          |
| 60 Vac      |          |
| 100 V ± 10% |          |
| 165 V       |          |
| < 25 ns     |          |
| 2500        |          |
| 1650 pF     |          |
|             |          |

| ഷ്ം            |           |
|----------------|-----------|
|                | Diagram 1 |
|                |           |
| SIGNAL<br>PB01 | TECTED    |

DAS 4V

MODULE

Diagram 2

отo

| DAS.4/V120/GR |      | DAS.4/V230/GR |          |  |
|---------------|------|---------------|----------|--|
| Cat. No. DSV1 | 20GR | Cat. No.      | DSV230GR |  |
| DAS.4/V120    |      | DAS.4/V230    |          |  |
| Cat. No. DS   | V120 | Cat. No.      | DSV230   |  |
| 120           |      | 230           |          |  |
| 180           |      | 350           |          |  |
| 140 Vac       |      | 275 Vac       |          |  |
| 220 V ± 10%   |      | 430 V ± 10%   |          |  |
| 360 V         |      | 710 V         |          |  |
| < 25 ns       |      | < 25 ns       |          |  |
| 2500          |      | 2500          |          |  |
| 610 pF        |      | 320 pF        |          |  |





DS...GR

DS...

## With electronic components

#### with UL94V-0 polvamide insulating body

- for overlapped circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS. 4/B; other versions only on lower level)
- available in grey RAL 7042 and beige RAL 1001 colours



DAS.4/C terminal block



The /GR tag indicates the grey colour version.

| grey vers                                                                                                    | ion                             |
|--------------------------------------------------------------------------------------------------------------|---------------------------------|
| beige vers                                                                                                   | sion                            |
| (Ex)i vers                                                                                                   | ion                             |
| <b>TECHNICAL CHAR</b>                                                                                        | ACTERISTICS                     |
| function / type<br>rated cross-section<br>connecting capacity                                                | (mm²)                           |
| flexible<br>rigid<br>max. flexible with ferrule (mm²)-f                                                      | (mm²)<br>(mm²)<br>errule type   |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / ti<br>(Ex e) rated voltage /r |                                 |
| rated impulse withstand voltage / poll                                                                       | ( )                             |
| insulation stripping length<br>tightening torque value (test / max)                                          | (mm)<br>(Nm)                    |
| height / width / thickness<br>height / width / thickness                                                     | · TH/35 7,5 mm<br>└ TH/35 15 mm |
| height / width / thickness                                                                                   | G32                             |

#### **APPROVALS**

| ACCESSO                                   | DRIES                       |
|-------------------------------------------|-----------------------------|
| End sections                              | grey<br>beige<br>blue       |
| Permanent cross connection (pre-a         | issembled)                  |
| Switchable cross connection               |                             |
| Multiple common bar                       | 250 mm                      |
| Shunting screw and sleeve                 |                             |
| Coloured partition                        | red, green, white           |
| Cross connection barrier                  | red                         |
| Test plug socket                          |                             |
| Test plug                                 |                             |
| Modular test plug                         |                             |
| End section for modular test plug         |                             |
| Numbering strip                           |                             |
| Warning plate                             | on adjacent terminal blocks |
| Cover for cross-connection                | red, blue o white           |
| Marking tag                               | printed or blank            |
| End bracket                               |                             |
| Mounting rail according to IEC 60715 Std. |                             |
|                                           | <u>ب</u>                    |

| 2-level component-holder                     |
|----------------------------------------------|
| 4                                            |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16            |
| 630 V (*) / - / A4                           |
| -                                            |
| -                                            |
| 8 KV / 3                                     |
| 9                                            |
| 0,5 / 1,2                                    |
| 62 / 64 / 6                                  |
| 70 / 64 / 6                                  |
| 66 / 64 / 6                                  |
| Approval referring to DAS.4 standard version |

Cat. No.

Cat. No.

DAS.4/.../GR

DAS.4/...

| Туре                        | Cat. No.                     |
|-----------------------------|------------------------------|
| DAS/PT/GR                   | DS101GR                      |
| DAS/PT                      | DS101                        |
| PM/41/2 poles               | PM412                        |
| PM/51/3 poles               | PM513                        |
| PM/51/5 poles               | PM515                        |
| PM/51/10 poles              | PM510                        |
| POS/43                      | POS43                        |
| PMP/58                      | PMP58                        |
| CPM/01                      | CPM01                        |
| DFU/7<br>-<br>PSD/A         | DU07                         |
| SDD/1                       | DD001                        |
|                             |                              |
| PRP/5                       | PRP05                        |
| CNU/8/61                    | NU0861                       |
|                             | BT005<br>BT001<br>T003-BT007 |
| PR/DIN/AC of steel          | PR001                        |
| PR/DIN/AS same with slots   | PR004                        |
| PR/DIN/AL of aluminium      | PR002                        |
| PR/3/AC for PR/DIN and PR/3 | PR003                        |
| PR/3/AS same with slots     | PR005                        |

(\*) The voltage and current ratings given for the various versions are based on the various type of components and to their connections.

Function:

Components: Function:





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## With special connections with UL94V-0 polvamide insulating body

- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour





6.3 x 0.8 mm flat push-on tab connections acc. to standard IEC 60760

Cat. No.

feed-through with push-on tab connections - separate levels

AF0.2/1+1

2,5

up to 2,5

4 KV / 3

49 / 44 / 6,5

57 / 44 / 6,5 52 / 44 / 6,5

-

400 V / 20 A / -

300 V / 15 A / -





6.3 x 0.8 mm flat push-on tab connections acc. to standard IEC 60760

Cat. No.

feed-through with push-on tab

AF400

AF0.2/2+2

connections

up to 2,5

6 KV / 3

-

630 V / 20 A / -

600 V / 15 A / -

2,5

AF500



with 1.6 x 0.8 mm lug for wrapped wire connections

| with 2,4 x 0                             | <b>/TPM</b> Cat. N<br>.8 mm lug for<br>e connections | wrapped |
|------------------------------------------|------------------------------------------------------|---------|
| AF0.2/2+                                 | <b>2/TP</b><br>Cat. No.                              | AF410   |
|                                          |                                                      |         |
|                                          |                                                      |         |
| feed-through w<br>connections and<br>2,5 |                                                      | b       |
| up to 2,5                                |                                                      |         |
| 320 V / 10 A /                           | -                                                    |         |
| -                                        |                                                      |         |
| 4 KV / 3                                 |                                                      |         |
| -                                        |                                                      |         |
| -                                        |                                                      |         |
| 49 / 59 / 6,5                            |                                                      |         |
| 57 / 59 / 6,5                            |                                                      |         |
| 52 / 59 / 6,5                            |                                                      |         |





Cat. No.

NU0851

NU0851 BT005

BT003-BT007

| Approvals referring to terminal block type |  |  |  |
|--------------------------------------------|--|--|--|
| AF0.2/2+2                                  |  |  |  |

| Туре                        | Cat. No.    |
|-----------------------------|-------------|
| AF0/PT                      | AF201       |
| -                           |             |
|                             |             |
| -                           |             |
| -                           |             |
| -                           |             |
| DFU/1                       | DU01        |
| -                           |             |
| -                           |             |
| -                           |             |
| CNU/8/51                    | NU0851      |
| -                           |             |
| -                           |             |
| CNU/8/51                    | NU0851      |
| BTU for PR/DIN and PR/3     | BT005       |
| BT/DIN/PO for PR/DIN only   | BT001       |
|                             | 3T003-BT007 |
| PR/DIN/AC of steel          | PR001       |
| PR/DIN/AS same with slots   | PR004       |
| PR/DIN/AL of aluminium      | PR002       |
| PR/3/AC for PR/DIN and PR/3 |             |
| PR/3/AS same with slots     | PR005       |

| <b>TECHNICAL CHARAC</b>                            | TERISTICS               |  |  |
|----------------------------------------------------|-------------------------|--|--|
| function / type                                    |                         |  |  |
| rated cross-section                                | (mm²)                   |  |  |
| connecting capacity                                |                         |  |  |
| flexible                                           | (mm <sup>2</sup> )      |  |  |
| rigid                                              | (mm <sup>2</sup> )      |  |  |
| rated voltage / rated current / gauge              | conf. to IEC 60947-7-1  |  |  |
| rated voltage / rated current / AWG / tight        | tening torque value UL  |  |  |
| (Ex e) rated voltage / ~                           | (V)                     |  |  |
| rated impulse withstand voltage / pollution degree |                         |  |  |
| insulation stripping length                        | (mm)                    |  |  |
| tightening torque value (test / max)               | (Nm)                    |  |  |
| height / width / thickness                         | TH/35 7,5 mm            |  |  |
| height / width / thickness                         | <b>└─</b> ∫ TH/35 15 mm |  |  |
| height / width / thickness                         | <b>G</b> 32             |  |  |
|                                                    |                         |  |  |

beige version

(Ex)i version

#### **APPROVALS**

| ACCESSORIES                               |                       |
|-------------------------------------------|-----------------------|
| End sections                              | grey<br>beige<br>blue |
| Permanent cross connection                |                       |
| Switchable cross connection               |                       |
| Multiple common bar                       | 250 mm                |
| Shunting screw and sleeve                 |                       |
| Coloured partition                        | red, green, white     |
| Cross connection barrier                  | red                   |
| Test plug socket                          |                       |
| Test plug                                 |                       |
| Numbering strip                           |                       |
| Cover for cross-connection                |                       |
| Warning plate                             |                       |
| Marking tag                               | printed or blank      |
| End bracket                               |                       |
| Mounting rail according to IEC 60715 Std. |                       |
|                                           | ~                     |

| Туре                        | Cat. No.    | Туре         |                   | Cat. No |
|-----------------------------|-------------|--------------|-------------------|---------|
| AF0/PT                      | AF201       | AF0/PT       |                   | AF201   |
| -                           |             | -            |                   |         |
|                             |             |              |                   |         |
|                             |             | -            |                   |         |
| -                           |             | -            |                   |         |
| -                           |             | -            |                   |         |
| DFU/1                       | DU01        | DFU/1        |                   | DU01    |
| -                           |             | -            |                   |         |
| -                           |             | -            |                   |         |
| -                           |             | -            |                   |         |
| CNU/8/51                    | NU0851      | CNU/8/51     |                   | NU0851  |
| -                           |             | -            |                   |         |
| -                           |             | -            |                   |         |
| CNU/8/51                    | NU0851      | CNU/8/51     |                   | NU0851  |
| BTU for PR/DIN and PR/3     | BT005       | BTU for PR/I | DIN and PR/3      | BT005   |
| BT/DIN/PO for PR/DIN only   | BT001       |              | for PR/DIN only   | BT001   |
|                             | 3T003-BT007 | BT/3-BT0 f   |                   | T003-BT |
| PR/DIN/AC of steel          | PR001       | PR/DIN/AC    |                   | PR001   |
| PR/DIN/AS same with slots   | PR004       |              | same with slots   | PR004   |
| PR/DIN/AL of aluminium      | PR002       | PR/DIN/AL    |                   | PR002   |
| PR/3/AC for PR/DIN and PR/3 | PR003       |              | r PR/DIN and PR/3 | PR003   |
| PR/3/AS same with slots     | PR005       | PR/3/AS sa   | une with slots    | PR005   |

| 49 / 44 / 6.5 |  |
|---------------|--|
|               |  |
| 57 / 44 / 6.5 |  |
| 57 / 44 / 0,5 |  |
| ED / AA / C E |  |
| 52 / 44 / 6,5 |  |
|               |  |
|               |  |

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## cabur



#### with UL94V-0 polyamide insulating body

- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours (where indicated)



6.3 x 0.8 mm, or 2.8 x 0.8 mm,

flat push-on tab connections

acc. to standard IEC 60760





#### **Cross-connection possibility**

6.3 x 0.8 mm. or 2.8 x 0.8 mm. flat push-on tab connections acc. to standard IEC 60760

CVF.4/GR

CVF.4

The /GR tag indicates the grey colour version.

| grey vers                                                                                  | sion                                   |
|--------------------------------------------------------------------------------------------|----------------------------------------|
| beige ver                                                                                  | sion                                   |
| (Ex)i vers                                                                                 | sion                                   |
| TECHNICAL CHAR                                                                             | ACTERISTICS                            |
| function / type<br>rated cross-section                                                     | (mm²)                                  |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )- | (mm²)<br>(mm²)                         |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / t           | ightening torque value UL              |
| (Ex e) rated voltage /<br>rated impulse withstand voltage / pol                            | (V)<br>lution degree                   |
| insulation stripping length<br>tightening torque value (test / max)                        | (mm)<br>(Nm)                           |
| height / width / thickness<br>height / width / thickness                                   | ر ۔۔۔ ۲H/35 7,5 mm<br>۱۰۰۰ TH/35 15 mm |
| height / width / thickness                                                                 | G32                                    |

#### **APPROVALS**

| ACCESSORIES                                |                       |
|--------------------------------------------|-----------------------|
| End sections                               | grey<br>beige<br>blue |
| Permanent cross connection (pre-assembled) |                       |
| Switchable cross connection                |                       |
| Multiple common bar                        | 250 mm                |
| Shunting screw and sleeve                  |                       |
| Coloured partition                         | red, green, white     |
| Cross connection barrier                   | red                   |
| Test plug socket                           |                       |
| Test plug                                  |                       |
| Numbering strip                            |                       |
| Cover for cross-connection                 |                       |
| Warning plate                              |                       |
| Marking tag                                | printed or blank      |
| End bracket                                |                       |
| Mounting rail according to IEC 60715 Std.  | نــا                  |
|                                            | ~                     |

| PDF.2                            | Cat. No.        | PF100       | FDP.2                                |
|----------------------------------|-----------------|-------------|--------------------------------------|
|                                  |                 |             |                                      |
|                                  |                 |             |                                      |
| feed-through w<br>2,5            | ith push-on tab | connections | feed-through with 2,5                |
| up to 2,5<br>-                   |                 |             | up to 2,5<br>-                       |
| 630 V / 20 A /<br>600 V / 16 A / |                 |             | 800 V / 20 A / -<br>600 V / 16 A / 2 |
| -<br>6 KV / 3                    |                 |             | -<br>8 KV / 3                        |
| -                                |                 |             | -                                    |
| -                                |                 |             | -                                    |
| 50 / 57 / 6,5                    |                 |             | 49 / 65,5 / 6,5                      |
| 58 / 57 / 6,5                    |                 |             | 57 / 65,5 / 6,5                      |
| 54 / 57 / 6,5                    |                 |             | 53 / 65,5 / 6,5                      |
|                                  |                 |             |                                      |

| FDP.2/GR                             |              |               |
|--------------------------------------|--------------|---------------|
| 5000                                 | Cat. No.     | FD100GR       |
| FDP.2                                | Cat. No.     | FD100         |
|                                      |              |               |
|                                      |              |               |
| feed-through wit<br>2,5              | h push-on ta | b connections |
| up to 2,5<br>-                       |              |               |
| 800 V / 20 A / -<br>600 V / 16 A / 2 |              |               |
| -<br>8 KV / 3                        |              |               |
| -                                    |              |               |
| -                                    |              |               |
| 49 / 65,5 / 6,5                      |              |               |
| 57 / 65,5 / 6,5                      |              |               |

## 

| Gal. NU.                                                                                   | 00140   |
|--------------------------------------------------------------------------------------------|---------|
| CVF.4 (Ex)i<br>Cat. No.                                                                    | CV200   |
|                                                                                            |         |
| feed-through, 1 screw + 3-push-on conn                                                     | ections |
| 4                                                                                          |         |
| 0,2 ÷ 6<br>0,2 ÷ 6<br>4 - WP40/16<br>800 V / 20 A / A4<br>600 V / 20 A / 20-12 AWG / 4,4 I | b.in    |
| 8 KV / 3                                                                                   |         |
| 11                                                                                         |         |
| -                                                                                          |         |
| 52 / 48,5 / 6                                                                              |         |
| 60 / 48,5 / 6                                                                              |         |
| 56 / 48,5 / 6                                                                              |         |

4

Cat. No. CV101GR

DD001 NU0861

NU0851

BT003-BT007

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Cat. No.

Cat. No. CV100GR

CV100

| Kena |  |  |  |
|------|--|--|--|
|------|--|--|--|

| Туре                        | Cat. No.   | Туре                |
|-----------------------------|------------|---------------------|
| PDF/PT                      | PF101      | FDP/PT/GR<br>FDP/PT |
|                             |            | PH/2,5-4            |
| -                           |            | -                   |
| -                           |            | -                   |
| -                           |            | -                   |
| DFU/5                       | DU05       | DFU/5               |
| -                           |            | -                   |
| -                           |            | -                   |
| -                           |            | SDD/1               |
| CNU/8/51                    | NU0851     | CNU/8/51            |
| -                           |            | -                   |
| -                           |            | -                   |
| CNU/8/51                    | NU0851     | CNU/8/51            |
| BTU for PR/DIN and PR/3     | BT005      | BTU for PR/DIN a    |
| BT/DIN/PO for PR/DIN only   | BT001      | BT/DIN/PO for       |
|                             | T003-BT007 | BT/3-BTO for PF     |
| PR/DIN/AC of steel          | PR001      | PR/DIN/AC of s      |
| PR/DIN/AS same with slots   | PR004      | PR/DIN/AS sam       |
| PR/DIN/AL of aluminium      | PR002      | PR/DIN/AL of a      |
| PR/3/AC for PR/DIN and PR/3 | PR003      | PR/3/AC for PR      |
| PR/3/AS same with slots     | PR005      | PR/3/AS same        |

| Туре                        | Cat. No.         | Туре                                             | Cat. No                  |
|-----------------------------|------------------|--------------------------------------------------|--------------------------|
| FDP/PT/GR<br>FDP/PT         | FD101GR<br>FD101 | CVF/PT/GR<br>CVF/PT<br>CVF/PT (Ex)i              | CV1016<br>CV101<br>CV201 |
| PH/2,5-4                    | PH100            | PM/58/3 poles<br>PM/58/5 poles<br>PM/58/10 poles | PM583<br>PM585<br>PM580  |
| -                           |                  | -                                                |                          |
| -                           |                  | PMP/58                                           | PMP58                    |
| -                           |                  | CPM/12                                           | CPM12                    |
| DFU/5                       | DU05             | DFU/3                                            | DU03                     |
| -                           |                  | -                                                |                          |
| -                           |                  | PSD/A                                            | PD001                    |
| SDD/1                       | DD001            | SDD/1                                            | DD001                    |
| CNU/8/51                    | NU0851           | CNU/8/61                                         | NU0861                   |
| -                           |                  | -                                                |                          |
| -                           |                  | -                                                |                          |
| CNU/8/51                    | NU0851           | CNU/8/51                                         | NU0851                   |
| BTU for PR/DIN and PR/3     | BT005            | BTU for PR/DIN and PR/3                          | BT005                    |
| BT/DIN/PO for PR/DIN only   | BT001            | BT/DIN/PO for PR/DIN only                        | BT001                    |
|                             | BT003-BT007      |                                                  | BT003-BT                 |
| PR/DIN/AC of steel          | PR001            | PR/DIN/AC of steel                               | PR001                    |
| PR/DIN/AS same with slots   | PR004            | PR/DIN/AS same with slots                        | PR004                    |
| PR/DIN/AL of aluminium      | PR002            | PR/DIN/AL of aluminium                           | PR002                    |
| PR/3/AC for PR/DIN and PR/3 |                  | PR/3/AC for PR/DIN and PR/3                      |                          |
| PR/3/AS same with slots     | PR005            | PR/3/AS same with slots                          | PR005                    |
|                             |                  |                                                  |                          |

55

## With special connections

#### with UL94V-0 polyamide insulating body

- with flat push-on tab connections
- with solder lug or wire-wrap lug
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types



CVF.4/VS2 Cat. No. CV130 with two 4 x 0.8 mm solder lugs

| CVF.4/VS          |                |             |
|-------------------|----------------|-------------|
|                   | Cat. No.       | CV110       |
| CVF.4/WW          |                |             |
|                   | Cat. No.       | CV120       |
| CVF.4/TP          |                |             |
|                   | Cat. No.       | CV140       |
|                   |                |             |
| feed-through, 1 s | crew + spec. ( | connections |

beige version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                          |
|--------------------------------------------------|--------------------------|
| rated cross-section                              | (mm²)                    |
| connecting capacity                              |                          |
| flexible                                         | (mm²)                    |
| rigid                                            | (mm²)                    |
| max. flexible with ferrule (mm <sup>2</sup> )-fe | errule type              |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1   |
| rated voltage / rated current / AWG / tig        | phtening torque value UL |
| (Ex e) rated voltage 💷 / ٦                       | (V)                      |
| rated impulse withstand voltage / pollu          | ution degree             |
| insulation stripping length                      | (mm)                     |
| tightening torque value (test / max)             | (Nm)                     |
| height / width / thickness                       | TH/35 7,5 mm - ۲۲        |
| height / width / thickness                       | └─_ſ TH/35 15 mm         |
| height / width / thickness                       | <b>G</b> 32              |
|                                                  |                          |

#### **APPROVALS**

| ACCESSORIES                                |                   |
|--------------------------------------------|-------------------|
| End sections                               | beige<br>blue     |
| Permanent cross connection (pre-assembled) |                   |
| Switchable cross connection                |                   |
| Multiple common bar                        | 250 mm            |
| Shunting screw and sleeve                  |                   |
| Coloured partition                         | red, green, white |
| Cross connection barrier                   | red               |
| Test plug socket                           |                   |
| Test plug                                  |                   |
| Numbering strip                            |                   |
| Cover for cross-connection                 |                   |
| Warning plate                              |                   |
| Marking tag                                | printed or blank  |
| End bracket                                |                   |
| Mounting rail according to IEC 60715 Std.  |                   |
|                                            | ى                 |

| CVF.4/TP        |               |         |
|-----------------|---------------|---------|
|                 | Cat. No.      | CV      |
|                 |               |         |
| feed-through, 1 | screw + spec. | connect |
| 4               |               |         |

0,2 ÷ 6 0,2 ÷ 6 4 - WP40/16 250 V / 20 A / A4

#### \_ 4 KV / 3

11 0,5/1,2 52 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6 60 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6 56 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6

Approvals referring to terminal block type CVF.4

| Туре                        | Cat. No.   |
|-----------------------------|------------|
| CVF/PT                      | CV101      |
| -                           |            |
| PM/40/2 poles               | PM402      |
| PM/58/3 poles               | PM583      |
| PM/58/5 poles               | PM585      |
| PM/58/10 poles              | PM580      |
| -                           |            |
| PMP/58                      | PMP58      |
| CPM/12                      | CPM12      |
| DFU/3                       | DU03       |
| -                           |            |
| PSD/A                       | PD001      |
| SDD/1                       | DD001      |
| CNU/8/61                    | NU0861     |
| -                           |            |
| -                           |            |
| CNU/8/61                    | NU0861     |
| BTU for PR/DIN and PR/3     | BT005      |
| BT/DIN/PO for PR/DIN only   | BT001      |
| BT/3-BTO for PR/3 only E    | T003-BT007 |
| PR/DIN/AC of steel          | PR001      |
| PR/DIN/AS same with slots   | PR004      |
| PR/DIN/AL of aluminium      | PR002      |
| PR/3/AC for PR/DIN and PR/3 | PR003      |
| PR/3/AS same with slots     | PR005      |



#### CVF.4/VS with 4 x 0.8 mm

solder lug



## CVF.4/WW

with 1.6 x 0.8 mm wire-wrap lug, horizontally mounted



## CVF.4/TP

with 1.6 x 0.8 mm wire-wrap lug, vertically mounted



## CF.12/1+1 multi-pole terminal board

## with 6.3 x 0.8 mm flat push-on tab connections (2 for each pole)

• with beige or blue UL94V-0 polyamide insulating body

| CF.12/1+1 (without end                                                                                                                 | d section)<br>Cat. No. | CF100                                |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------|
| CF.12/1+1 (Ex)i                                                                                                                        | Cat. No.               | CFX10                                |
| CF.12/CPT (with end se                                                                                                                 | ection)<br>Cat. No.    | CF900                                |
| CF.12/CPT (Ex)i                                                                                                                        | Cat. No.               | CFX90                                |
| <b>TECHNICAL CHA</b>                                                                                                                   | RACTERISTI             | CS                                   |
| rated cross-section<br>rated current (conf. to IEC 60947-7<br>rated voltage (conf. to IEC 60947-7<br>rated impulse withstand voltage / | 7-1)                   | 2,5 mm²<br>20 A<br>500 V<br>6 KV / 3 |
| ACCESSORIES                                                                                                                            |                        |                                      |
| Upper end section                                                                                                                      | of beige polya         | mide CF/PT                           |

| Upper end section         | of beige polyamide CF/PT      |  |
|---------------------------|-------------------------------|--|
| Upper end section         | of blue polyamide CF/PT (Ex)i |  |
| Upper special end section | of polyamide CF/PTM           |  |
| Insulating bushing        | of beige polyamide CF/BI      |  |
| M4 threaded tension rods  | of zinc-plated steel CF/TR    |  |
| Nut (bolt)                | of polyamide <b>CF/DD</b>     |  |

tension CF/TR rod CF/DD CF/PT

CF.12/1+1



**CF/PTM** (Cat. No. CF301) Special end section to be mounted in grooving



**CF.12/1+1** terminal boards can be mounted independently or overlapped. In both cases the single terminal board or the one placed on top of the assembly shall be closed using a CF/PT end section (4 mm thickness). The fixing to the panel can take place by means of:

screws of adequate length (distance between the holes 69.5 mm)
M4 threaded tension rods

To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. No bushings are required between the terminal board and the end section as this element is already appropriately shaped.

The above mentioned end section has an engraved numbering from 1 to 12 for an easy identification of the poles.

Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copperzinc alloy with high percentage of copper, and are provided with anti-oxidation nickel plating, or on request, silver coating (**CF.12/1+1/AG** Cat. No. CFA10). **CF.12/FW/CPT** (Cat. No. CFW90) Version equipped with flat push on tab connections on one side and wrapped wire on the other side **CF.12/FW/CPT (Ex)i** (Cat. No. CFW99)



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## CF.12/1+1 multi-pole terminal board

#### con connessioni (2 x polo) a spina piatta da 6,3 x 0,8 mm

• with beige or blue UL94V-0 polyamide insulating body

| CF.12/2+2                            |                    |                     |
|--------------------------------------|--------------------|---------------------|
|                                      | Cat. No.           | CF200               |
| TECHNICAL CH                         | ARACTERIST         | ICS                 |
| rated cross-section                  |                    | 2,5 mm <sup>2</sup> |
| rated current (conf. to IEC 60947    | -7-1)              | 20 A                |
| rated voltage (conf. to IEC 60947    |                    | 500 V               |
| rated impulse withstand voltage      | / pollution degree | 6 KV / 3            |
|                                      |                    |                     |
| ACCESSORIES                          |                    |                     |
| Insulating hushing of polyamide CF/B |                    | amide CF/BI         |

| AUGEJJUNIEJ                                         |                    |  |
|-----------------------------------------------------|--------------------|--|
| Insulating bushing of polyamide CF/BI               |                    |  |
| Reduced insulating bushing                          | of polyamide CF/BI |  |
| M4 threaded tension rods of zinc-plated steel CF/TR |                    |  |
| Nut (bolt) of polyamide CF/DD                       |                    |  |
|                                                     |                    |  |

**CF.12/2+2** terminal boards can be mounted independently or overlapped. The fixing to the panel can take place by means of:

#### - screws of adequate length (distance between the holes 69.5 mm)

#### - M4 threaded tension rods

To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. To allow a better tightening of the small **CF/DD nuts**, when using threaded tension rods, it is necessary to introduce in the holes of the upper terminal board the reduced **CF.BI bushings**.

**CF.12/2+2** terminal boards have engraved numbering from 1 to 12 for an easy identification of the poles.

Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copperzinc alloy with high percentage of copper, and are provided with anti-oxidation nickel, or on request, silver coating (CF.12/2+2/AG Cat. No. CFA20).

**Note:** a version provided with eight 6.3 x 0.8 mm flat push-on tab connectors is available. **CF.08/2+2** Cat. No. **CF400** 



## cabur

TC500

## With special connections

#### with UL94V-0 polvamide insulating body

- for thermocouple circuits
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std .. "G32" and "TH/35" types
- CESI 02 ATEX 134 U Ex e (Ex) certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14



| beige version                                                                                                            |                                                   | TC/PO                                         |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------|
| (Ex)i version                                                                                                            |                                                   | TC/PO                                         |
| TECHNICAL CHARACTI                                                                                                       | ERISTICS                                          |                                               |
|                                                                                                                          | (mm²)<br>(mm²)<br>(mm²)<br>conf. to IEC 60947-7-1 | for thermoo<br>-<br>thermocoup<br>800 V / - / |
| rated voltage / rated current / AWG / tighteni<br>(Ex e) rated voltage /r<br>rated impulse withstand voltage / pollution | (V)                                               | 600 V / 15<br>500 V / 630<br>8 KV / 3         |
| insulation stripping length<br>tightening torque value (test / max)                                                      | (mm)<br>(Nm)                                      | 20<br>0,4 / 0,8                               |
| height / width / thickness<br>height / width / thickness<br>height / width / thickness                                   | ۲H/35 7,5 mm<br>TH/35 15 mm<br>کے G32             | 47 / 40,5 /<br>55 / 40,5 /<br>51 / 40,5 /     |

#### **APPROVALS**

| ACCESSORIES                 |                   | Туре                                                   | Cat. No        |
|-----------------------------|-------------------|--------------------------------------------------------|----------------|
| End sections                | beige<br>blue     | CB2/PT<br>CB2/PT (Ex)i                                 | CB111<br>CBX13 |
| Permanent cross connection  |                   | -                                                      |                |
| Switchable cross connection |                   | -                                                      |                |
| Multiple common bar         | 250 mm            | -                                                      |                |
| Shunting screw and sleeve   |                   | -                                                      |                |
| Coloured partition          | red, green, white | DFU/1                                                  | DU01           |
| Cross connection barrier    | red               | -                                                      |                |
| Test plug socket            |                   | -                                                      |                |
| Test plug                   |                   | -                                                      |                |
| Numbering strip             |                   | CNU/8/51                                               | NU0851         |
| Cover for cross-connection  |                   | -                                                      |                |
| Warning plate               |                   | -                                                      |                |
| Marking tag                 | printed or blank  | CNU/8/51                                               | NU0851         |
| End bracket                 |                   | BTU for PR/DIN and PR/3                                | BT005          |
|                             |                   | BT/DIN/PO for PR/DIN only                              | BT001          |
|                             | _                 |                                                        | BT003-BT       |
| Mounting rail               |                   | PR/DIN/AC of steel                                     | PR001          |
| according to IEC 60715 Std. |                   | PR/DIN/AS same with slots                              | PR004          |
|                             |                   | PR/DIN/AL of aluminium                                 | PR002          |
|                             | <u> </u>          | PR/3/AC for PR/DIN and PR/3<br>PR/3/AS same with slots | PR003<br>PR005 |
|                             |                   | FR/J/AJ Same With Slots                                | rn000          |

#### /PO (Ex)i Cat. No. TC510 hermocouple circuits nocouples having 0,8 ÷ 1,3 mm diam. V/-/-V / 15 A / 20-14 AWG / 5,5 lb.in. V / 630 V /3 0.8 40,5 / 5,5 40,5 / 5,5 51 / 40,5 / 5,5

Cat. No.



| Туре                      | Cat. No.       |
|---------------------------|----------------|
| CB2/PT<br>CB2/PT (Ex)i    | CB111<br>CBX13 |
| -                         |                |
|                           |                |
| -                         |                |
| -                         |                |
| -                         |                |
| DFU/1                     | DU01           |
| -                         |                |
| -                         |                |
| -                         |                |
| CNU/8/51                  | NU0851         |
| -                         |                |
| -                         |                |
| CNU/8/51                  | NU0851         |
| BTU for PR/DIN and PR/3   | BT005          |
| BT/DIN/PO for PR/DIN only | BT001          |
| BT/3-BTO for PR/3 only    | BT003-BT007    |
| PR/DIN/AC of steel        | PR001          |
| PR/DIN/AS same with slots | PR004          |
| PR/DIN/AL of aluminium    | PR002          |



Terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, thermocouple circuits of any type can be wired up without the intervention of any other compensation material.

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those with different diameters, stripped of their insulating protection for a length of 20 mm. are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.

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## With special connections

#### with UL94V-0 polvamide insulating body

- for 5.08 mm pitch female connectors
- double possibility of PTC easy bridge multi-pole connection
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



Cat. No. VP300GR

**VP300** 

**VP310** 

Cat. No.

Cat. No.

1 screw connection and 2 pins for

VPC.2/GR

VPC.2 (Ex)i

female connectors

2.5  $0,2 \div 4$  $0,2 \div 4$ 2.5 - WP25/14 320 V / 24-12 (\*) A / A3

4 KV / 3 9 (screw connection) 0,4 / 0,8 (screw connection)

51 59 55

c

VPC.2



Detail with PTC jumpers and barriers





Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

| <b>VPC/F02</b> - 2 poles<br><b>VPC/F03</b> - 3 poles | Cat. No. <b>VP902</b><br>Cat. No. <b>VP903</b> | STR.                                                               |
|------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------|
| VPC/F04 - 4 poles                                    | Cat. No. <b>VP904</b>                          |                                                                    |
| VPC/F05 - 5 poles                                    | Cat. No. <b>VP905</b>                          | VPC/PTF                                                            |
| VPC/F06 - 6 poles                                    | Cat. No. <b>VP906</b>                          |                                                                    |
| VPC/F07 - 7 poles                                    | Cat. No. <b>VP907</b>                          | flange for the securing of female connectors provided with locking |
| VPC/F08 - 8 poles                                    | Cat. No. <b>VP908</b>                          | screws onto the terminal board                                     |
| VPC/F09 - 9 poles                                    | Cat. No. <b>VP909</b>                          |                                                                    |
| VPC/F10 -10 poles                                    | Cat. No. <b>VP910</b>                          |                                                                    |
| VPC/F11 -11 poles                                    | Cat. No. <b>VP911</b>                          | and the                                                            |
| VPC/F12 -12 poles                                    | Cat. No. <b>VP912</b>                          | - Com                                                              |
| VPC/F13 -13 poles                                    | Cat. No. <b>VP913</b>                          | DF/VPC                                                             |
| VPC/F14 -14 poles                                    | Cat. No. <b>VP914</b>                          | and an effective state of the first first first first              |
| VPC/F15 -15 poles                                    | Cat. No. <b>VP915</b>                          | reduced pitch end section for the separation of different groups   |
| VPC/F16 -16 poles                                    | Cat. No. <b>VP916</b>                          | opuration of antorone groups                                       |

For the fixing of the conductor in an even more secure way, it is possible to use connectors provided with locking screws, located on the sides of the connector itself. In this case it is necessary to insert on to both sides of the assembled VPC.2 terminal blocks a VPC/PTF (Cat. No. VP103) flange. In the case that an assembly composed in such a way has a flange with external connecting pins, it is necessary to add a VPC/PT (Cat. No. VP101) end section, or to remove the external pins with a cutter. For safety reasons, the connectors must not be handled under load. The use of **DF/VPC** (Cat. No. DU015) barrier, for the physical separation of the different groups of terminal blocks, does not avoid the possibility to perform cross-connections.

The terminal block is available also in the version equipped with signal circuit (VPC.2/L024). In this case a common bar (dimension 7 x 1 x 250 mm), for the common return of a LED (red colour - 24 V), must be inserted in the appropriate housing on the side of the group of adjoining terminal blocks and connected by means of a feeding terminal block - VPC.2(Ex)i/D (Cat. No. VPC200). The VPC.2(Ex)i/D feeding terminal block is a version of terminal block type VPC.2(Ex)i, equipped with a type 1N4007 diode.

A transparent cover in order to prevent accidental contacts on the pins is supplied as an accessory (VPC/VT - Cat. No. VP102) in 10-pole bars; it can be easily separated into the desired number of poles. The cover is inserted by clip fixing in the appropriate housing provided in the insulating body of the terminal block; the insertion point acts as a fulcrum for the rotation of the protection itself from the closed position (guaranteed by a clip) to the open position (for the insertion of the connector). It is manufactured in transparent material in order to ensure visibility of both the type of connection (in closed position) and the LED, in opened position, once the connector is inserted.

| (*) current on the Po | CB connector pin |
|-----------------------|------------------|
|-----------------------|------------------|

The /GR tag indicates the grey colour version

| grey version                                                                                                               |                       |  |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--|
| beige version                                                                                                              |                       |  |
| (Ex)i version                                                                                                              |                       |  |
| TECHNICAL CHAR                                                                                                             | ACTERISTICS           |  |
| function / type                                                                                                            |                       |  |
| rated cross-section                                                                                                        | (mm²)                 |  |
| connecting capacity<br>flexible<br>rigid<br>may flexible with femule (mm <sup>2</sup> )-                                   | (mm²)<br>(mm²)        |  |
| max. flexible with ferrule (mm <sup>2</sup> )-ferrule type<br>rated voltage / rated current / gauge conf. to IEC 60947-7-1 |                       |  |
| rated voltage / rated current / AWG / t                                                                                    |                       |  |
| (Ex e) rated voltage /                                                                                                     | (V)                   |  |
| rated impulse withstand voltage / pol<br>insulation stripping length                                                       | •                     |  |
| tightening torque value (test / max)                                                                                       | (mm)<br>(Nm)          |  |
| height / width / thickness                                                                                                 | رمیں)<br>TH/35 7,5 mm |  |
| height / width / thickness                                                                                                 | TH/35 15 mm           |  |
| height / width / thickness                                                                                                 | G32                   |  |

#### **APPROVALS**

| ACCESSO                                                             | RIES     |                       |
|---------------------------------------------------------------------|----------|-----------------------|
| End sections                                                        |          | grey<br>beige<br>blue |
| Permanent cross connection<br>(intrinsically IPXXB protected once m | iounted) |                       |
| Cross-connection identification strip                               | (100 mm) | green                 |
| Switchable cross connection                                         |          |                       |
| Diaframma separatore ponti                                          |          |                       |
| Shunting screw and sleeve                                           |          |                       |
| Coloured partition                                                  |          | red, green, white     |
| Hollow partition                                                    |          | grey<br>beige         |
| Test plug socket                                                    |          | -                     |
| Test plug                                                           |          |                       |
| Numbering strip                                                     |          |                       |
| Cover for cable lugs                                                |          |                       |
| Flangia                                                             |          |                       |
| Marking tag                                                         |          | printed or blank      |
| End bracket                                                         |          |                       |
| Mounting rail                                                       |          |                       |

according to IEC 60715 Std.

| <b>FN</b> us | KEUR | ٩ |
|--------------|------|---|
| / 44 / 5,08  | В    |   |
| / 44 / 5,08  | 8    |   |
| / 44 / 5,08  | 8    |   |

600 V / 20 ÷ 14 AWG / 15 A / 5,5 lb.in.

| Туре                      | Cat. No.    |
|---------------------------|-------------|
| VPC/PT/GR                 | VP101GR     |
| VPC/PT                    | VP101       |
| VPC/PT (Ex)i              | VP201       |
| PTC/2/02 poles            | PTC0202     |
| PTC/2/03 poles            | PTC0203     |
| PTC/2/05 poles            | PTC0205     |
| PTC/2/10 poles            | PTC0210     |
| PTC/2/00 (50 poles)       | PTC0200     |
| PTC/SP                    | PTC0990     |
| -<br>DFM/300              | DE300       |
| -<br>-                    | DI 300      |
| DFU/5                     | DU05        |
| DF/VPC/GR                 | DU02SGR     |
| DF/VPC                    | DU02S       |
| -                         |             |
| -                         |             |
| CNU/8/51                  | NU0851      |
| VPC/VT                    | VP102       |
| VPC/PTF                   | VP303       |
| CNU/8/51                  | NU0851      |
| BTU for PR/DIN and PR/3   | BT005       |
| BT/DIN/PO for PR/DIN only | BT001       |
| BT/3-BTO for PR/3 only    | BT003-BT007 |
| PR/DIN/AC of steel        | PR001       |
| PR/DIN/AS same with slots | PR004       |
| PR/DIN/AL of aluminium    | PR002       |
| PR/3/AC of steel          | PR003       |
| PR/3/AS same with slots   | PR005       |

# With special connections

## with UL94V-0 polyamide insulating body

- for 5.08 mm pitch female connectors two levels
- universal mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- double possibility of PTC "Easy Bridge" multi-pole cross connection, on each level
- available in grey RAL 7042 and beige RAL 1001 colours

### (\*) current on the PCB connector pin

The /GR tag indicates the grey colour version.

| grey version                                                                               |                                  |  |
|--------------------------------------------------------------------------------------------|----------------------------------|--|
| beige ver                                                                                  | sion                             |  |
| (Ex)i vers                                                                                 | sion                             |  |
| TECHNICAL CHAR                                                                             | ACTERISTICS                      |  |
| function / type                                                                            |                                  |  |
| rated cross-section                                                                        | (mm²)                            |  |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )- | (mm²)<br>(mm²)                   |  |
| rated voltage / rated current / gauge                                                      | conf. to IEC 60947-7-1           |  |
| rated voltage / rated current / AWG / t<br>(Ex e) rated voltage /                          | ightening torque value UL<br>(V) |  |
| rated impulse withstand voltage / pol                                                      |                                  |  |
| insulation stripping length                                                                | (mm)                             |  |
| tightening torque value (test / max)<br>height / width / thickness                         | (Nm)<br>TH/35 7,5 mm             |  |
| height / width / thickness                                                                 | TH/35 15 mm                      |  |
| height / width / thickness                                                                 | G32                              |  |

#### **APPROVALS**

| ACCESSORIES                                                                |                       |
|----------------------------------------------------------------------------|-----------------------|
| End sections                                                               | grey<br>beige<br>blue |
| Permanent cross connection<br>(intrinsically IPXXB protected once mounted) |                       |
| Cross-connection identification strip (100 mm                              | ) green               |
| Switchable cross connection                                                |                       |
| Multiple common bar                                                        | 250 mm                |
| Shunting screw and sleeve                                                  |                       |
| Coloured partition                                                         | red, green, white     |
| Cross connection barrier                                                   |                       |
| Test plug socket                                                           |                       |
| Test plug                                                                  |                       |
| Numbering strip                                                            |                       |
| Cover for cable lugs                                                       |                       |
| Flange                                                                     |                       |
| Marking tag                                                                | printed or blank      |
| End bracket                                                                |                       |
| Mounting rail                                                              |                       |

according to IEC 60715 Std.

|            | connections and 2 pins for connect |
|------------|------------------------------------|
| m²)        | 2,5                                |
| m²)<br>m²) | 0,2 ÷ 4<br>0,2 ÷ 4                 |
| 7-1        | 320 V / 24-12 (*) A / A3           |
| UL         | 300 V / 15 A / 26-12 AWG / 3,5 II  |
| (V)        | -                                  |
|            | 4 KV / 3                           |
| nm)        | 9                                  |
| Vm)        | 0,4 / 0,8 (screw connection)       |
| nm         | 64 / 74 / 5,08                     |
| m          | 72 / 74 / 5,08                     |
|            | - / - / -                          |
|            | c Sus<br>KEMA-KEUR pending         |
|            |                                    |

2

| VPD.2/GR                                    |      |     | _            |
|---------------------------------------------|------|-----|--------------|
| vr D.2/un                                   | Cat. | No. | VP500GR      |
| VPD.2                                       | Cat. | No. | VP500        |
| VPD.2 (Ex                                   |      | No. | VP560        |
|                                             |      |     |              |
| 2 level feed-thro<br>connections and<br>2,5 | 0    |     |              |
| ),2 ÷ 4<br>),2 ÷ 4                          |      |     |              |
| 320 V / 24-12 (*<br>300 V / 15 A / 2        |      |     | / 3,5 lb.in. |
| 1 KV / 3                                    |      |     |              |
| )                                           |      |     |              |

🔈 cabur

| PTC jumper configurations          |                  |                                |                          |                   |                      |
|------------------------------------|------------------|--------------------------------|--------------------------|-------------------|----------------------|
| SINGLE OR<br>Parallel<br>Extending | POLE<br>Skipping | ADJACENT<br>WITHOUT<br>BARRIER | ADJACENT<br>WITH BARRIER | STAGGERED<br>MODE | PARALLEL<br>Skipping |
| ••                                 | ••••             | •••                            | •••                      | ••                | •••                  |
| ••                                 | Inculation       | voltage in the                 | above configurati        | ione (I/)         |                      |
|                                    | Insulation       | voltage in the a               | above configurati        | ulis (V)          |                      |
| 320                                | 320              |                                | 320                      | 320               | 320                  |

Detail with 5.08 mm female connectors inserted on the two levels, the lug protection covers raised and the PTCs inserted on the two levels.



Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

| VPC/F02 - 2 poles | Cat. No. |       |
|-------------------|----------|-------|
| VPC/F03 - 3 poles | Cat. No. | VP903 |
| VPC/F04 - 4 poles | Cat. No. | VP904 |
| VPC/F05 - 5 poles | Cat. No. | VP905 |
| VPC/F06 - 6 poles | Cat. No. | VP906 |
| VPC/F07 - 7 poles | Cat. No. | VP907 |
| VPC/F08 - 8 poles | Cat. No. | VP908 |
| VPC/F09 - 9 poles | Cat. No. | VP909 |
| VPC/F10 -10 poles | Cat. No. | VP910 |
| VPC/F11 -11 poles | Cat. No. | VP911 |
| VPC/F12 -12 poles | Cat. No. | VP912 |
| VPC/F13 -13 poles | Cat. No. | VP913 |
| VPC/F14 -14 poles | Cat. No. | VP914 |
| VPC/F15 -15 poles | Cat. No. | VP915 |
| VPC/F16 -16 poles | Cat. No. | VP916 |

| Туре                      | Cat. No.    |
|---------------------------|-------------|
| VPD/PT/GR                 | VP501GR     |
| VPD/PT                    | VP501       |
| VPD/PT (Ex)i              | VP561       |
| PTC/2/02 poles            | PTC0202     |
| PTC/2/03 poles            | PTC0203     |
| PTC/2/05 poles            | PTC0205     |
| PTC/2/10 poles            | PTC0210     |
| PTC/2/00 (50 poles)       | PTC0200     |
| PTC/SP                    | PTC0990     |
| -                         |             |
| -                         |             |
| -                         |             |
| DFU/7                     | DU07        |
| DFM/300                   | DF300       |
| -                         |             |
| -                         |             |
| CNU/8/51                  | NU0851      |
| VPD/VT                    | VP502       |
| -                         |             |
| CNU/8/51                  | NU0851      |
| BTU for PR/DIN and PR/3   | BT005       |
| BT/DIN/PO for PR/DIN only | BT001       |
| BT/3-BTO for PR/3 only    | BT003-BT007 |
| -                         |             |
|                           |             |
| PR/3/AC of steel          | PR003       |

PR/3/AS same with slots

PR005



## **MAC Series** with UL94V-0 polyamide insulating body

- to be used with modular CAM connectors
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



Version available with 2.8 x 0.8 mm

MAC.6/VS Cat. No. MA500

solder lug



Our F5 type Ø 5 x 20 mm - 250 V fuse (supplied separately) without pilot LED



Version without disconnect lever suitable for the permanent use with CAM modular connector

(\*) Values referred to the characteristics of the insulating body

| beige vers                                                                                                                                              | ion                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| (Ex)i versi                                                                                                                                             | ion                                                      |
| TECHNICAL CHARA                                                                                                                                         | CTERISTICS                                               |
| function / type                                                                                                                                         |                                                          |
| rated cross-section                                                                                                                                     | (mm²)                                                    |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-fe                                                            | (mm²)<br>(mm²)                                           |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / tig<br>(Ex e) rated voltage /<br>rated impulse withstand voltage / pollu | conf. to IEC 60947-7-1<br>htening torque value UL<br>(V) |
| insulation stripping length<br>tightening torque value (test / max)                                                                                     | (mm)<br>(Nm)                                             |
| height / width / thickness<br>height / width / thickness<br>height / width / thickness                                                                  | ← TH/35 7,5 mm<br>← TH/35 15 mm<br>← G32                 |

#### **APPROVALS**

| ACCESSORIES                                |                       |
|--------------------------------------------|-----------------------|
| End sections                               | grey<br>beige<br>blue |
| Permanent cross connection (pre-assembled) |                       |
| Switchable cross connection                |                       |
| Multiple common bar                        | 250 mm                |
| Shunting screw and sleeve                  |                       |
| Coloured partition                         | red, green, white     |
| Test plug socket                           |                       |
| Test plug                                  |                       |
| Pitching strip                             |                       |
| Ø 5 x 20 mm fuse                           |                       |
| Marking tag                                | printed or blank      |
| End bracket                                |                       |
| Mounting rail according to IEC 60715 Std.  |                       |
|                                            | <b>ب</b>              |

| MAC.6                                                   | Cat. No. | MA100        |
|---------------------------------------------------------|----------|--------------|
|                                                         |          |              |
|                                                         |          |              |
| disconnect leve                                         | r        |              |
| 6                                                       |          |              |
| 0,2 ÷ 10<br>0,2 ÷ 10<br>6 - WP60/20<br>800 V (*) / 16 A | A / A5   |              |
| 600 V (*) / 16 A                                        |          | / 13,3 lb.in |
| 8 KV / 3<br>14                                          |          |              |
| 1,2 / 1,9                                               |          |              |
| 65 / 83 / 8<br>73 / 83 / 8                              |          |              |
| 69 / 83 / 8                                             |          |              |

| MAC.6/FS                                                       | ~ |
|----------------------------------------------------------------|---|
| Cat. No. MA41                                                  | U |
|                                                                |   |
|                                                                |   |
| for Ø 5 x 20 mm fuse                                           |   |
| 6                                                              |   |
| 0,2 ÷ 10<br>0,2 ÷ 10<br>6 - WP60/20                            |   |
| 800 V (*) / 6,3 A / A5<br>600 V / 8 A / 20-10 AWG / 13,3 lb.in |   |
| -<br>8 KV / 3                                                  |   |
| 14                                                             |   |
| 1,2/1,9                                                        |   |
| 72 / 83 / 8<br>80 / 83 / 8                                     |   |
| 76 / 83 / 8                                                    |   |
| LEMA WE Terna                                                  |   |

## 🗽 KEMA 💥 Terna

c Rus Keur Cat. No.

| Туре                             | Cat. No.    |
|----------------------------------|-------------|
| -                                |             |
| -                                |             |
| -                                |             |
| PIL/2 poles                      | PIL02       |
| PIL/3 poles                      | PIL03       |
| PIL/4 poles                      | PIL04       |
| PIL/8 poles                      | PIL08       |
| •                                |             |
| -                                |             |
| •                                |             |
| -                                |             |
| SDD/1                            | DD001       |
| MAC/SPS                          | MA020       |
| WAG/3F3                          | IVIAUZU     |
| -<br>CNU/8/51                    | NU0851      |
| BTU for PR/DIN and PR/3          | BT005       |
| BT/3-BTO for PR/3 only           | BT003-BT007 |
| BT/DIN/PO for PR/DIN only        | BT003-D1007 |
| PR/DIN/AC of steel               | PR001       |
| <b>PR/DIN/AS</b> same with slots | PR004       |
| PR/DIN/AL of aluminium           | PR002       |
| PR/3/AC of steel                 | PR003       |
| PR/3/AS same with slots          | PR005       |

|                                                                                |                                  | Other approval                                           |  |
|--------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------|--|
| Туре                                                                           | Cat. No.                         | Туре                                                     |  |
| -                                                                              |                                  | -                                                        |  |
| -                                                                              |                                  | -                                                        |  |
| PIL/2 poles<br>PIL/3 poles<br>PIL/4 poles<br>PIL/8 poles                       | PILO2<br>PILO3<br>PILO4<br>PILO8 | PIL/2 poles<br>PIL/3 poles<br>PIL/4 poles<br>PIL/8 poles |  |
| -                                                                              |                                  | -                                                        |  |
| -                                                                              |                                  | -                                                        |  |
|                                                                                |                                  |                                                          |  |
|                                                                                |                                  |                                                          |  |
| -                                                                              |                                  | SDD/1                                                    |  |
| MAC/SPS                                                                        | MA020                            | MAC/SPS                                                  |  |
| F5                                                                             | FN                               | -                                                        |  |
| CNU/8/51                                                                       | NU0851                           | CNU/8/51                                                 |  |
| BTU for PR/DIN and PR/3<br>BT/3-BTO for PR/3 only<br>BT/DIN/PO for PR/DIN only | BT005<br>BT003-BT007<br>BT001    | BTU for PR/I<br>BT/3-BTO f<br>BT/DIN/PO                  |  |
| PR/DIN/AC of steel<br>PR/DIN/AS same with slots<br>PR/DIN/AL of aluminium      | PR001<br>PR004<br>PR002          | PR/DIN/AC<br>PR/DIN/AS<br>PR/DIN/AL                      |  |
| PR/3/AC of steel<br>PR/3/AS same with slots                                    | PR003<br>PR005                   | PR/3/AC of<br>PR/3/AS sa                                 |  |

| MAC.6/N                                                                 | Cat. No.         | MA200       |
|-------------------------------------------------------------------------|------------------|-------------|
|                                                                         |                  |             |
|                                                                         |                  |             |
| without disconne<br>CAM connector<br>6                                  | ect lever for th | ne use with |
| 0,2 ÷ 10<br>0,2 ÷ 10<br>6 - WP60/20                                     |                  |             |
| 800 V (*) / 16 A / A5<br>600 V (*) / 16 A / 20-10 AWG / 13,3 lb.ir<br>- |                  |             |
| 8 KV / 3<br>14                                                          |                  |             |
| 1,2 / 1,9                                                               |                  |             |
| 63 / 77 / 8<br>71 / 77 / 8                                              |                  |             |
| 67 / 77 / 8                                                             |                  |             |

#### c RL US

als referred to MAC.6 standard version

| Гуре                       | Cat. No.       |
|----------------------------|----------------|
|                            |                |
|                            |                |
|                            | DIL 00         |
| PIL/2 poles                | PILO2<br>PILO3 |
| PIL/3 poles<br>PIL/4 poles | PILU3<br>PIL04 |
| PIL/4 poles                | PIL04          |
| - poloo                    | 11200          |
|                            |                |
|                            |                |
|                            |                |
|                            |                |
| SDD/1                      | DD001          |
| MAC/SPS                    | MA020          |
|                            |                |
| CNU/8/51                   | NU0851         |
| BTU for PR/DIN and PR/3    | BT005          |
| BT/3-BTO for PR/3 only     | BT003-BT007    |
| BT/DIN/PO for PR/DIN only  | BT001          |
| PR/DIN/AC of steel         | PR001          |
| PR/DIN/AS same with slots  |                |
| PR/DIN/AL of aluminium     | PR002          |
| PR/3/AC of steel           | PR003          |
| PR/3/AS same with slots    | PR005          |
|                            |                |

## 🔷 cabur

## **CAM shunting** elements

## with polyamide insulating body

• used with MAC terminal blocks



MA110

MA111

MA112

Cat. No.

Cat. No.

Cat. No.

600 V / 16 A / 20-10 AWG / 8,9 lb.in





example of the derivation connector composition





NOTE: the use of CAM/C type could be necessary only in the case the connector is composed by more than 8 elements

| version wit                                                                                                               | h lock                    |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|
| version with loc                                                                                                          | k and pins                |
| TECHNICAL CHAR                                                                                                            | ACTERISTICS               |
| rated cross-section                                                                                                       | (mm²)                     |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm <sup>2</sup> )-                                |                           |
| rated voltage / rated current / gauge<br>rated voltage / rated current / AWG / t<br>rated impulse withstand voltage / pol | ightening torque value UL |
| insulation stripping length                                                                                               | (mm)                      |
| tightening torque value (test / max)                                                                                      | (Nm)                      |
| height / width / thickness                                                                                                | <b>۰ ۲</b> H/35 7,5 mm    |
| height / width / thickness                                                                                                | TH/35 15 mm               |
| height / width / thickness                                                                                                | G32                       |

standard version

#### **APPROVALS**

| ACCESSORIES              | Тур  |
|--------------------------|------|
| Shunting connection beig | e MA |
| Pole lock                | MA   |
| Safety cover             | MA   |

| Cat. No. |
|----------|
| MA030    |
| MA010    |
| MA040    |
|          |

c Sus Keur

CAM

CAM/B

CAM/C

0,2 ÷ 6 0,2 ÷ 6 4 - WP40/16 800 V / 24 A / A3

8 KV / 3 12 --

2,5



CAM insertion



CAM connector inserted into MAC composed terminal block

## **Mini terminal blocks** with UL94V-0 polvamide insulating body

- mounting onto PR/2 type rails TH/15 type
- available in standard (grey RAL 7042 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- RP.4 and PN 2: CESI 03 ATEX 073 U Ex e certificate ( I M2 / II 2 G D operating temperature range:  $-40 \div +80$  °C

The /GR tag indicates the grey colour version

• when rail assemblies are to be manufactured for potentially explosive environments, please refer to the instructions given on page A14

| grey version                                                  |       |
|---------------------------------------------------------------|-------|
| (Ex)i version                                                 |       |
| TECHNICAL CHARACTERISTICS                                     |       |
| function / type                                               |       |
| rated cross-section                                           | (mm²) |
| connecting capacity                                           |       |
| flexible                                                      | (mm²) |
| 0                                                             | (mm²) |
| max. flexible with ferrule (mm <sup>2</sup> )-ferrule type    |       |
| rated voltage / rated current / gauge conf. to IEC 6094       |       |
| rated voltage / rated current / AWG / tightening torque value | UL    |
| (Ex e) rated voltage /r                                       | (V)   |
| rated impulse withstand voltage / pollution degree            |       |
| insulation stripping length                                   | (mm)  |
| tightening torque value (test / max)                          | (Nm)  |

#### **APPROVALS**

height / width / thickness

| ACCESS                                    | ORIES                       |
|-------------------------------------------|-----------------------------|
| End sections                              | grey<br>blue                |
| Permanent cross connection                |                             |
| Switchable cross connection               |                             |
| Multiple common bar                       | 250 mm                      |
| Shunting screw and sleeve (same,          | Ex e version)               |
| Coloured partition                        | red, green, white           |
| Test plug socket                          |                             |
| Test plug                                 |                             |
| Numbering strip                           |                             |
| Warning plate                             | on adjacent terminal blocks |
| Cover for cross-connection                |                             |
| Marking tag                               | printed or blank            |
| End bracket                               |                             |
| Mounting rail according to IEC 60715 Std. |                             |
|                                           | <u> </u>                    |



RN.2/GR



| 0,2 ÷ 4                        |                   |
|--------------------------------|-------------------|
| 2,5 - WP25/14                  |                   |
| 400 V / 24 A / A3              |                   |
| 300 V / 20 A / 20 ÷ 12         | 2 AWG / 3,5 lb.in |
| 250 V                          |                   |
| 6 KV / 3                       |                   |
| 8                              |                   |
| 0,4 / 0,8                      |                   |
| 32 / 27 / 5                    |                   |
| c SUs Keur<br>Mene             | Ex ME Terna       |
| IFC Ex pen                     | BR                |
| Туре                           | Cat. No.          |
| RFN/PT/GR                      | RF101GR           |
| RFN/PT (Ex)i                   | RF201             |
| PM/12/2 poles                  | PM122             |
| PM/12/3 poles                  | PM123             |
| PM/12/5 poles                  | PM125             |
| PM/12/10 poles                 | PM120             |
| -                              |                   |
| PMP/25                         | PMP25             |
| CPM/16 (CPX/16)                | CPM16 (CPX16)     |
| DFP/2                          | DFP2              |
| PSD/A                          | PD001             |
| SDD/1                          | DD001             |
| CNU/8/51                       | NU0851            |
| -                              |                   |
| PRP/5                          | PRP05             |
| CNU/8/51                       | NU0851            |
|                                | 100001            |
| BT/2                           | BT006             |
| -                              |                   |
| -                              |                   |
| -                              |                   |
|                                |                   |
| PR/2/AC of steel               | PR009             |
| <b>PR/2/AS</b> same with slots | PR010             |



- PR/2/AS same with slots
- PR010

**RN510** 





Size CBD.2

RN.1/GR

feed-through

 $0,2 \div 2,5$ 

 $0.2 \div 2.5$ 1,5 - WP15/14

6 KV / 3

32 / 27 / 4,2

8 0.4/0.8

\_ TH/15

1,5



## Mini terminal blocks

## with UL94V-0 polyamide insulating body

- mounting onto PR/2 type rails TH/15 type
- TR.2 and TR.4: CESI 03 ATEX 022 U Ex e I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- available in grey RAL 7042 colour







Cat. No.

TR200

Two 6.3 x 0.8 mm or four 2.8 x 0.8 mm flat push-on tab connections according to Std. IEC 60760 Std.

The /GR tag indicates the grey colour version.

| grey version                                                                              |                |
|-------------------------------------------------------------------------------------------|----------------|
| (Ex)i version                                                                             |                |
| TECHNICAL CHARACTERISTIC                                                                  | S              |
| function / type                                                                           |                |
| rated cross-section                                                                       | (mm²)          |
| connecting capacity<br>flexible<br>rigid<br>max. flexible with ferrule (mm²)-ferrule type | (mm²)<br>(mm²) |
| rated voltage / rated current / gauge conf. to IEC (                                      | 60947-7-1      |
| rated voltage / rated current / AWG / tightening torque v                                 |                |
| (Ex e) rated voltage /r                                                                   | (V)            |
| rated impulse withstand voltage / pollution degree                                        |                |
| insulation stripping length                                                               | (mm)           |
| tightening torque value (test / max)                                                      | (Nm)           |
| height / width / thickness r TH/1                                                         | 5              |

#### **APPROVALS**

| ACCESSO                                   | RIES                        |
|-------------------------------------------|-----------------------------|
| End sections                              | grey<br>blue                |
| Permanent cross connection                |                             |
| Switchable cross connection               |                             |
| Multiple common bar                       | 250 mm                      |
| Shunting screw and sleeve                 |                             |
| Coloured partition                        | red, green, white           |
| Test plug socket                          |                             |
| Test plug                                 |                             |
| Numbering strip                           |                             |
| Warning plate                             | on adjacent terminal blocks |
| Marking tag                               | printed or blank            |
| End bracket                               |                             |
| Mounting rail according to IEC 60715 Std. |                             |
|                                           |                             |

| feed-through for push-on tab connections<br>2,5<br>sino a 2,5<br>-<br>-<br>400 V / 20 A / -<br>600 V / 20 A / -<br>600 V / 20 A / 12 AWG max<br>- / -<br>6 KV / 3<br>-<br>- / -<br>32 / 28 / 6 | RFI.2/GR             | Cat. No.    | RF110GR     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|-------------|
| 2,5<br>sino a 2,5<br>-<br>400 V / 20 A / -<br>600 V / 20 A / 12 AWG max<br>- / -<br>6 KV / 3<br>-<br>- / -                                                                                     |                      |             |             |
| 2,5<br>sino a 2,5<br>-<br>400 V / 20 A / -<br>600 V / 20 A / 12 AWG max<br>- / -<br>6 KV / 3<br>-<br>- / -                                                                                     |                      |             |             |
| -<br>400 V / 20 A / -<br>600 V / 20 A / 12 AWG max<br>- / -<br>6 KV / 3<br>-<br>- / -                                                                                                          | •                    | push-on tab | connections |
| 600 V / 20 A / 12 AWG max<br>- / -<br>6 KV / 3<br>-<br>- / -                                                                                                                                   | sino a 2,5<br>-<br>- |             |             |
| 6 KV / 3<br>-<br>- / -                                                                                                                                                                         |                      |             |             |
| ,                                                                                                                                                                                              |                      |             |             |
| 32 / 28 / 6                                                                                                                                                                                    | -<br>- / -           |             |             |
|                                                                                                                                                                                                | 32 / 28 / 6          |             |             |

c Sus Keur

Cat. No.

RF101GR

POF17

PMP17

CPM17

DFP2..

PD011

DD001

NU0861

NU0861

CS... BT006

PR009

PR010

Туре

-

-CNU/8/51

DFP/2

CNU/8/51

PR/2/AC of steel

PR/2/AS same with slots

BT/2

TR.2/PT

**RFN/PT/GR** 

Туре

P0F/17

**PMP/17** 

CPM/17

DFP/2

PSD/K

SDD/1

CNU/8/61

CNU/8/61

PR/2/AC of steel

PR/2/AS same with slots

CSC BT/2

-

| TR.2<br>Cat. No. TR110                                                                                                                      | TR.4               |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                                                                                                                                             |                    |
| earth                                                                                                                                       | earth              |
| 2,5                                                                                                                                         | 4                  |
| 0,2 ÷ 4                                                                                                                                     | 0,2 ÷ 6            |
| 0,2 ÷ 4                                                                                                                                     | 0,2 ÷ 6            |
| 2,5 - WP25/14                                                                                                                               | 4 - WP40/16        |
| - / - / A3                                                                                                                                  | - / - / A4         |
| - / - / 20-12 AWG / 3,5 lb.in                                                                                                               | - / - / 20-10 /    |
| - / -                                                                                                                                       | - / -              |
| 6 KV / 3                                                                                                                                    | 6 KV / 3           |
| 8                                                                                                                                           | 9                  |
| 0,4 / 0,8                                                                                                                                   | 0,5 / 1,2          |
| 32 / 27 / 5<br>C SN us KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR<br>KEUR | 35 / 35 / 7,3<br>c |

IEC Ex pending

Cat. No.

TR111

DFP2..

NU0851

NU0851

BT006

PR009

PR010

|                     | 4 - WF40/10                                 |                     |
|---------------------|---------------------------------------------|---------------------|
|                     | - / - / A4                                  |                     |
|                     | - / - / 20-10 AWG / 5,5 lb.ir               | ı                   |
|                     | - / -                                       |                     |
|                     | 6 KV / 3                                    |                     |
|                     | 9                                           |                     |
|                     | -                                           |                     |
|                     | 0,5 / 1,2                                   |                     |
|                     | 35 / 35 / 7,3                               |                     |
| 7 <b>na</b><br>27/7 |                                             | デビ Terna<br>LV 27/7 |
|                     | IEC Ex pending                              |                     |
| •                   | Туре                                        | Cat. No.            |
|                     | -                                           |                     |
|                     | -                                           |                     |
|                     | -                                           |                     |
|                     |                                             |                     |
|                     |                                             |                     |
|                     |                                             |                     |
|                     |                                             |                     |
|                     |                                             |                     |
|                     | -                                           |                     |
|                     | -                                           | 0500                |
|                     | DFP/2                                       | DFP2                |
|                     | -                                           |                     |
|                     | -                                           |                     |
|                     | -                                           |                     |
|                     |                                             |                     |
|                     |                                             |                     |
|                     | CNU/8/51                                    | NU0851              |
|                     | CSC                                         | CS                  |
|                     | BT/2                                        | BT006               |
|                     |                                             | 2.000               |
|                     |                                             |                     |
|                     |                                             |                     |
|                     | -                                           |                     |
|                     |                                             |                     |
|                     |                                             | DDOOO               |
|                     | PR/2/AC of steel<br>PR/2/AS same with slots | PR009<br>PR010      |
|                     |                                             |                     |



# Modular multi-pole terminal blocks



The two way **BPL.4** and three way **TPL.4** terminal blocks can be mounted separately or used to compose terminal boards with unlimited number of poles and no mounting rails are required.

The special "dovetail" coupling system guarantees the maximum compactness of the assembly and only two screws, to be inserted at the ends of the terminal board, are required for the fixing onto the panel.

BPL.4 and TPL.4 terminal blocks are suited for the marking using type CNU/5 tags.



## Modular multi-pole terminal blocks

## with UL94V-0 polyamide insulating body

• UL94V-0

- **CESI 03 ATEX 164 U** Ex e I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- panel mount by means of screws







| beige version                        |                                      | BPL                                                           |
|--------------------------------------|--------------------------------------|---------------------------------------------------------------|
| TECHNICAL CHARACTERISTICS            |                                      |                                                               |
| function / type                      |                                      | two-po                                                        |
| rated cross-section                  | (mm²)                                | 4                                                             |
|                                      | (mm²)<br>(mm²)<br>7-7-1<br>UL<br>(V) | 0,5 ÷<br>0,5 ÷<br>4 - WF<br>500 V<br>300 V<br>250 V<br>6 KV / |
| insulation stripping length          | (mm)                                 | 12                                                            |
| tightening torque value (test / max) | (Nm)                                 | 0,5/0                                                         |
| fixing screw (*)                     | (Ø)                                  | M3 (Ø                                                         |
|                                      |                                      |                                                               |

| height / width / thickness |  |
|----------------------------|--|
|----------------------------|--|

#### **APPROVALS**

| BPL.4                          | Cat. No.          | BP100        |
|--------------------------------|-------------------|--------------|
|                                |                   |              |
| two-pole                       |                   |              |
| 4                              |                   |              |
| 250 V<br>6 KV / 3              | A4<br>12 ÷ 18 AWG | / 4,4 lb.in. |
| 12<br>0,5 / 0,7                |                   |              |
| M3 (Ø head 5.6<br>26 / 24 / 20 | 6 mm max)         |              |
|                                |                   |              |

| TPL.4                                                             | Cat. No.              | TP100        |
|-------------------------------------------------------------------|-----------------------|--------------|
|                                                                   |                       |              |
| three-pole                                                        |                       |              |
| 4                                                                 |                       |              |
| 0,5 ÷ 6<br>0,5 ÷ 6<br>4 - WP40/16<br>500 V / 32 A<br>300 V / 20 A | / A4<br>/ 12 ÷ 18 AWG | / 4,4 lb.in. |
| 250 V                                                             |                       |              |
| 6 KV / 3                                                          |                       |              |
| 12                                                                |                       |              |
| 0,5 / 0,7<br>M3 (Ø head 5                                         | 6 mm max)             |              |
| 26 / 30 / 20                                                      |                       |              |





| Normal compositions |                                                                                                                                                                                                                                         |  |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| BPL.4 and TPL.4     | Total length                                                                                                                                                                                                                            |  |
| configurations      | mm                                                                                                                                                                                                                                      |  |
| B                   | 20<br>30                                                                                                                                                                                                                                |  |
| B+T                 | 40<br>50<br>60                                                                                                                                                                                                                          |  |
| B+T+B               | 70                                                                                                                                                                                                                                      |  |
| T+B+T               | 80                                                                                                                                                                                                                                      |  |
| 1+1+1               | 90                                                                                                                                                                                                                                      |  |
| T+B+B+T             | 100                                                                                                                                                                                                                                     |  |
| T+T+T+T             | 120                                                                                                                                                                                                                                     |  |
| T+T+B+T+T           | 140                                                                                                                                                                                                                                     |  |
| T+T+T+T+T           | 150                                                                                                                                                                                                                                     |  |
| 1+1+B+B+1+1         | 160                                                                                                                                                                                                                                     |  |
| T+T+T+T+T+T         | 180                                                                                                                                                                                                                                     |  |
| T+T+T+B+T+T+T       | 200                                                                                                                                                                                                                                     |  |
|                     | $\begin{array}{c} BPL.4 \mbox{ and } TPL.4 \mbox{ configurations} \\ B \\ T \\ B+B \\ B+T \\ T+T \\ B+T+B \\ T+B \\ T+B+T \\ T+T+T \\ T+B+B+T \\ T+T+T+T \\ T+T+B+T+T \\ T+T+B+T+T \\ T+T+B+T+T \\ T+T+T+T+T \\ T+T+T+T+T \\ T+T+T+T+T$ |  |

#### (\*) NOTE:

when using BPL.4 and TPL.4 terminal blocks in Ex e classified installations, the use of the insulated fixing screw is required.



## Modular multi-pole terminal blocks with UL94V-0 polyamide insulating bod





- UL94V-0
- panel mount by means of screws
- /PS versions, with poles including one screw connection and one feed-through lug with push-on connection (2.3 x 0.8 mm), which may also be used for soldering

(\*): with bearing plate thickness = 1 mm

#### beige version

#### TECHNICAL CHARACTERISTICS

| function / type                                  |                         |
|--------------------------------------------------|-------------------------|
| rated cross-section                              | (mm <sup>2</sup> )      |
| connecting capacity                              |                         |
| flexible                                         | (mm <sup>2</sup> )      |
| rigid                                            | (mm <sup>2</sup> )      |
| max. flexible with ferrule (mm <sup>2</sup> )-fe | errule type             |
| rated voltage / rated current / gauge            | conf. to IEC 60947-7-1  |
| rated voltage / rated current / AWG / tig        | htening torque value UL |
| (Ex e) rated voltage 🗔 / 🦳                       | (V)                     |
| rated impulse withstand voltage / pollu          | ition degree            |
| insulation stripping length                      | (mm)                    |
| tightening torque value (test / max)             | (Nm)                    |
| fixing screw (*)                                 | (Ø)                     |
| height / width / thickness                       | <b>TH/15</b> ح <u>ـ</u> |

#### **APPROVALS**

| BPL.4/PS                                                                   |               |              |
|----------------------------------------------------------------------------|---------------|--------------|
| DFL.4/FJ                                                                   | Cat. No.      | BP300        |
|                                                                            |               |              |
| version with spece                                                         | cial connecti | ons          |
| 0,5 ÷ 6<br>0,5 ÷ 6<br>4 - WP40/16<br>500 V (*) / 32 A<br>300 V / 20 A / 12 |               | / 4,4 lb.in. |
| -                                                                          |               |              |
| 6 KV / 3<br>12                                                             |               |              |
| 0,5 / 0,7                                                                  |               |              |
| M3 (Ø head 5.6 i                                                           | mm max)       |              |
| 36 / 24 / 20                                                               |               |              |



|                                       | Cat. No.       | TP200      |
|---------------------------------------|----------------|------------|
|                                       |                |            |
| version with spe                      | cial connectio | ons        |
| 4                                     |                |            |
| 0,5 ÷ 6<br>0,5 ÷ 6<br>4 - WP40/16     |                |            |
| 500 V (*) / 32 A<br>300 V / 20 A / 12 |                | 4,4 lb.in. |
| -                                     |                |            |
| 6 KV / 3                              |                |            |
| 12                                    |                |            |
| 0,5 / 0,7                             |                |            |
| M3 (Ø head 5.6                        | mm max)        |            |
| 36 / 24 / 20                          |                |            |
|                                       |                |            |

TPL.4/PS

|                                            | Normal compositions                                       |                                                  |
|--------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|
| No of<br>poles                             | BPL.4 and TPL.4<br>configurations                         | Total length<br>mm                               |
| 6<br>8<br>10<br>12<br>14<br>16<br>18<br>20 | B+R+B<br>B+R+R+B<br>B+R+R+R+B<br>B+R+R+R+R+B<br>B+R+R+R+R | 53<br>66<br>79<br>92<br>105<br>118<br>131<br>144 |

 $\mathsf{PS}$  versions, equipped with solder connections are also available in the following configurations:

BPL.4/PS (Cat. No. BP300) - TPL.4/PS (Cat. No. TP200) equipped with screw connections on the opposite side from the solder connections

BPL.4/PS/A (Cat. No. BP310) - TPL.4/PS/A (Cat. No. TP210) equipped with screw connections on the same side as the solder connections

**BPL.4/PS/B (Cat. No. BP320) - TPL.4/PS/B (Cat. No. TP220)** equipped with 2 (3) solder lugs and 4 (6) connections.



## **CNT Series Neutral disconnect terminal** blocks

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails according to IEC 60715 Std., "G32" and "TH/35" types
- available in blue RAL 5015 colour







#### (Ex)i version

#### **TECHNICAL CHARACTERISTICS**

| function / type                                  |                          |
|--------------------------------------------------|--------------------------|
| rated cross-section                              | (mm²)                    |
| connecting capacity                              |                          |
| flexible                                         | (mm²)                    |
| rigid                                            | (mm²)                    |
| max. flexible with ferrule (mm <sup>2</sup> )-fe |                          |
| rated voltage / rated current / gauge            |                          |
| rated voltage / rated current / AWG / tig        | ghtening torque value UL |
| (Ex e) rated voltage 💷 / ٦                       | (V)                      |
| rated impulse withstand voltage / poll           | ution degree             |
| insulation stripping length                      | (mm)                     |
| tightening torque value (test / max)             | (Nm)                     |
| height / width / thickness                       | TH/35 7,5 mm - ۲         |
| height / width / thickness                       | <b>└─</b> ∫ TH/35 15 mm  |
| height / width / thickness                       | <b>G</b> 32              |
|                                                  |                          |

| CNT.6<br>Cat. No. CNT06<br>neutral disconnect terminal block<br>6<br>0,5 ÷ 6<br>0,5 ÷ 10<br>6 - WP60/20<br>400 V / 41 A / A5<br>-<br>-<br>6 KV / 3<br>10,5<br>1,2 / 1,9<br>20 / 5/ 0 |                         |                |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------|-------|
| 6<br>0,5 ÷ 6<br>0,5 ÷ 10<br>6 - WP60/20<br>400 V / 41 A / A5<br>-<br>6 KV / 3<br>10,5<br>1,2 / 1,9                                                                                   | CNT.6                   | Cat. No.       | CNT06 |
| 6<br>0,5 ÷ 6<br>0,5 ÷ 10<br>6 - WP60/20<br>400 V / 41 A / A5<br>-<br>6 KV / 3<br>10,5<br>1,2 / 1,9                                                                                   |                         |                |       |
| 0,5 ÷ 10<br>6 - WP60/20<br>400 V / 41 A / A5<br>-<br>-<br>6 KV / 3<br>10,5<br>1,2 / 1,9                                                                                              |                         | ct terminal bl | lock  |
| 10,5<br>1,2 / 1,9                                                                                                                                                                    | 0,5 ÷ 10<br>6 - WP60/20 | .5             |       |
| 10,5<br>1,2 / 1,9                                                                                                                                                                    | -                       |                |       |
|                                                                                                                                                                                      |                         |                |       |
|                                                                                                                                                                                      |                         |                |       |
|                                                                                                                                                                                      | 52/51/8                 |                |       |
| 60 / 51 / 8<br>56 / 51 / 8                                                                                                                                                           |                         |                |       |

| CNT.16                                               | Cat. No.         | CNT16 |
|------------------------------------------------------|------------------|-------|
| neutral discon<br>6                                  | nect terminal bl | ock   |
| 0,5 ÷ 16<br>0,5 ÷ 25<br>16 - WP160/2<br>400 V / 76 A |                  |       |
| -<br>6 KV / 3<br>12                                  |                  |       |
| 2 / 3<br>56 / 53 / 12<br>64 / 53 / 12                |                  |       |
| 61 / 53 / 12                                         |                  |       |

| CNT.35                                                 | Cat. No.         | CNT35 |
|--------------------------------------------------------|------------------|-------|
|                                                        |                  |       |
| neutral disconn<br>6                                   | ect terminal blo | ock   |
| 0,5 ÷ 35<br>0,5 ÷ 50<br>35 - WP350/30<br>400 V / 125 A |                  |       |
| -                                                      |                  |       |
| 6 KV / 3<br>14,5                                       |                  |       |
| 2,5 / 5<br>62 / 56 / 16<br>70 / 56 / 16                |                  |       |
| 66 / 56 / 16                                           |                  |       |

#### **APPROVALS**

| ACCESSORIES                                                                                                                                  |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| End sections                                                                                                                                 | blu               |
| Collecting busbar support                                                                                                                    |                   |
| 10 x 3 mm collecting busbar in tin-plated bra<br>10 x 3 mm collecting busbar in tin-plated cop<br>Neutral collecting busbar feeding terminal | 0                 |
| Coloured partition                                                                                                                           | red, green, white |
| Numbering strip                                                                                                                              | rod, groon, white |
| Marking tag                                                                                                                                  | printed or blank  |
| End bracket                                                                                                                                  |                   |
| Mounting rail according to IEC 60715 Std.                                                                                                    |                   |
|                                                                                                                                              | ~                 |

| Туре                      | Cat. No. | Туре                      | Cat. No. | Туре                      | Cat. No. |
|---------------------------|----------|---------------------------|----------|---------------------------|----------|
| CNT6/PT                   | CNT601   | CNT16/PT                  | CNT161   | CNT35/PT                  | CNT351   |
| CNT/SU                    | CNTSU    | CNT/SU                    | CNTSU    | CNT/SU                    | CNTSU    |
| BNT/OT                    | BNTOT    | BNT/OT                    | BNTOT    | BNT/OT                    | BNTOT    |
| BNT/Cu                    | BNTCU    | BNT/Cu                    | BNTCU    | BNT/Cu                    | BNTCU    |
| BNT/CO                    | BNTCO    | BNT/CO                    | BNTCO    | BNT/CO                    | BNTCO    |
| DFU/4                     | DU04     | DFU/4                     | DU04     | DFU/4                     | DU04     |
| SNZ/8                     | SN005    | SNZ/8                     | SN005    | SNZ/8                     | SN005    |
| CNU/8/51                  | NU0851   | CNU/8/51                  | NU0851   | CNU/8/51                  | NU0851   |
| BTU for PR/DIN and PR/3   | BT005    | BTU for PR/DIN and PR/3   | BT005    | BTU for PR/DIN and PR/3   | BT005    |
| BT/DIN/PO for PR/DIN only | BT001    | BT/DIN/PO for PR/DIN only | BT001    | BT/DIN/PO for PR/DIN only | BT001    |
| BT/3 for PR/3 only        | BT003    | BT/3 for PR/3 only        | BT003    | BT/3 for PR/3 only        | BT003    |
| BTO                       | BT007    | BTO                       | BT007    | BTO                       | BT007    |
| PR/DIN/AC of steel        | PR001    | PR/DIN/AC of steel        | PR001    | PR/DIN/AC of steel        | PR001    |
| PR/DIN/AS same with slots | PR004    | PR/DIN/AS same with slots | PR004    | PR/DIN/AS same with slots | PR004    |
| PR/DIN/AL of aluminium    | PR002    | PR/DIN/AL of aluminium    | PR002    | PR/DIN/AL of aluminium    | PR002    |
| PR/3/AC of steel          | PR003    | PR/3/AC of steel          | PR003    | PR/3/AC of steel          | PR003    |
| PR/3/AS same with slots   | PR005    | PR/3/AS same with slots   | PR005    | PR/3/AS same with slots   | PR005    |