

Model		RD-2R	RD-2XR	RF-4R	RF-4XR						
Applications		Intended for trippin (with trippir tha	g applications where hig ng time from 8ms to 3 m at is the case of tripping	gh demanding requirements in operating time ns) and breaking capacity are needed, g HV and MV circuit breakers.							
High burden configuration		not av	vailable	See page 15 for technical details							
Construction characteristics											
Contacts no.		2 Char	ngeover	4 Changeover							
Connections		(+) 2 ± (-) 1	$\begin{array}{c} 7\\ 3 \\ 5\\ 4 \\ 6 \end{array}$	$ \begin{array}{c} 3 & 7 \\ 12 \\ (+) 2 \\ 4 & 8 \\ (-) 1 & 5 & 9 \\ (-) 1 & 14 \\ 6 & 10 \\ \end{array} $							
Options		With OP optio	ons • LED included • D	iode in parallel with the	coil included						
Weight (g)		1:	25	250							
Dimensions (mm)		(A) 22,5 x (B) 50,4	4 x (C) 72 (D type)	(A) 42,5 x (B) 50,4 x	(C) 72 (F short type)						
Coil characteristics											
Standard voltages ⁽¹⁾		24, 48, 110, 125, 220, 250 Vdc /110, 127, 230 Vac (50-60Hz)	48, 110, 125, 220, 250 Vdc	24, 48, 110, 125, 220, 250 Vdc / 110, 127, 230 Vac (50-60 Hz)	48, 110, 125, 220, 250 Vdc						
Voltage range			+10% -	-20% U _N							
Pick-up voltage											
Release voltage			ee pick-up/release voi	tage-temperature curves							
Average consumption	In permanence ($U_{_N}$)	0,95 W		1 W							
	Peak • ≤96 Vdc	0,8 A / 20 ms	2,5 A / 20 ms	0,8 A / 20 ms	2,5 A / 20 ms						
Operating time	Peak • >96 Vdc	0,3 A / 20 ms	0,8 A / 20 ms	0,3 A / 20 ms	0,8 A / 20 ms						
		< 8 ms (< 10 ms)/ac)	< 5 5 ms	< 8 ms (< 10 ms)/ac)	< 5 5 ms						
Drop-out time		Vdc: <40 ms	Vdc: <40 ms	Vdc: <40 ms	Vdc: <40 ms						
		Vac: <50 ms	vac. To mo	Vac: <50 ms	vac. To ma						
Contacts											
Contact material		AgNi									
Contacts resistance ⁽²⁾		≤30 mΩ									
Distance between contacts		1,2 mm									
Permanent current	A										
Instantaneous current		30 A during 1 s / 80 A during 200 ms / 200 A during 10 ms									
Max. making capacity		40 A / 0,5 s / 110 Vdc									
Breaking capacity		See breaking capacity curves (Contact configuration type B)									
Max. breaking capacity		See value for 50.000 operations									
U _{max} opened contact			250 Vdc	/ 400 Vac							
Perfomance data											
Mechanical endurance	_	10 ⁷ operations									
Operating temperature		-25°C +70°C									
Storage temperature		-40°C +85°C									
Max. operating humidity		93% / +40°C									
Operating altitude(3)		<2000 m									



(3) Ask for higher altitudes



MODEL SELECTION

TRIP	Туре	Range	Aux. Supply				Options				
Model Selection				OP							
Belay type											
					^ *	-					
2 contacts relay	RD-2R	-*			0*	l	 0	0		0	
2 contacts relay	RD-2XR	-*			0*	1	 0	0		0	
4 contacts relay	RF-4R				0*	1	0	0		0	Stan
4 contacts relay	RF-4XR				0*	1	 0	0		0	dard
8 contacts relay	RJ-8R				0*	1	0	0		0	moo
8 contacts relay	RJ-8XR				0*	1	0	0		0	del
16 contacts relay	RI-16R				0*	1*/2***	0*	0*		0*	
Ultra-fast (only Vdc)	RJ-4XR4	-*			0*	1*	0*	0*		0*	
Ultra-fast (only Vdc)	RXR-4	_*			_*	-*	_*	_*		_*	
Ultra-fast (only Vdc)	RF-4UR	_*			-*	-*	-*	_*		_*	
Range High Burden Low burden (all by default) Rolling stock applications or low duty loads or guided contacts** Aux. Supply Vdc or Vac Indicate voltage level and if it is VDC or VAC (ex: 24 VDC)		HB - FF									
Options											
					0						
	No					0					
Front LED	Yes					1					
Mechanical contact position indicator	No Yes						0				
Trip flag	No							 0			
	Yes							1]		
Push to test button	No					 	 ·	 		0	
	To Push the co	ontacts								1	

*Mandatory option

** For more information refer to railway application brochure

*** Option only available for HB models with 48 and 125 Vdc rated voltage. Red LED for trip signaling.