

**LS-K CONTACTORS
FROM LS 22K TO LS 55K
INTERNATIONAL
RATINGS**



Type	LS 22K		LS 30K		LS 37K		LS 45K		LS 55K	
Style	3 pole		3 pole 4 pole		3 pole 4 pole		3 pole 4 pole		3 pole	
Rated insulation voltage U_i										
V	1000		1000		1000		1000		1000	
Rated impulse voltage U_{imp}	kV	8		8		8		8		8
Mechanical endurance										
AC - operation	Operations	Mil	15		15		15		15	
DC - operation	Operations	Mil	15		15		15		15	
Utilization category AC-1		Rated power values at resistive load								
Rated power value Pn	3~230V	kW	30	42	42	53	53			
	3~400V	kW	55	72,5	72,5	92	92			
	3~500V	kW	69	95	95	121	121			
	3~690V	kW	95	125	125	160	160			
Rated current /e up to 690 V	Amps	90	110	110	140	140				
Minimum wire cross-section under rated load /e	mm ²	35	35	35	50	50				
Admissible practical operation frequency	ops/h	1200	1200	1200	1200	1200				
Rated current at 1000 ops/h	A	90	110	110	112	112				
Utilization category AC-3		Rated power values of AC induction type motors								
Rated power value Pn	3~230V	kW	15	18,5	22	25	30			
	3~400V	kW	22	30	37	45	55			
	3~415V	kW	25	37	45	50	55			
	3~500V	kW	30	40	45	55	65			
	3~690V	kW	35	45	45	55	65			
Rated current /e up to 440 V	Amps	50	65	80	95	105				
Admiss. switching freq. at Pn and cont. cycling	ops/h	1200	1200	1200	1200	1200				
Utilization category AC-4		Rated power values of AC induction type motors								
Rated power value in Pn	3~230V	kW	5,5	7,5	10	11	13			
	3~400V	kW	11	15	18,5	22	25			
	3~500V	kW	15	18,5	22	25	30			
	3~690V	kW	18,5	22	25	30	37			
Rated current /e with practical electrical endurance up to	Amps	23	30	37	44	50	50			
Admissible switching frequency	ops/h	200	200	200	200	200	200			
Maximum permissible load Pn /e	3~400V	kW	22	30	37	45	55			
	3~400V	A	50	65	80	95	105			
Utilization category AC-6b		Rated power values of AC capacitors (minimum inductance between parallel connected capacitors 6 µH)								
Single / Parallel operation	3~230V	kvar	17/17	21/21	24/24	28/28	30/30			
	3~400V	kvar	30/30	38/38	40/40	50/50	60/50			
	3~525V	kvar	35/35	50/50	50/50	50/50	80/66			
	3~690V	kvar	40/30	40/40	40/40	40/40	60/50			
DC-switching Rated current /e		3 contacts connected in series (all DC-motors L/R ≤ 15 ms)								
DC-1 (resistive load)	24 ... 220 V /e	A	90	110	110	140	140			
DC-3 / DC-5	24 ... 110 V /e	A	60	70	70	95	95			
Admissible switching frequency (DC-1 ... DC-5)			50	50	50	50	50			
Short Circuit protection of main contacts¹⁾		Maximum permissible fuse (operating category gL)								
Coordination type »2«			100	125	125	200	200			
no welding			80	100	100	160	160			
Operating coil for AC-operation		Standard coil, power consumption at 50 Hz 1,0 U_s								
Operating range 0,8 ... 1,1 U_s	Pick-up PA	VA	191	191	191	191	191			
	Cos Ø		0,54	0,54	0,54	0,54	0,54			
	Holding PhS	VA	17	17	17	17	17			
	Cos Ø		0,26	0,26	0,26	0,26	0,26			
Operating coil for DC-operation		Standard coil, power consumption at 1,0 U_s								
Operating range 0,8 ... 1,1 U_s	Pick-up PA	W	197	197	197	197	197			
	Holding Ph	W	2,6	2,6	2,6	2,6	2,6			
Switching items at AC-operation		Standard coil, power consumption at 1,0 U_s								
Making delay	ms	9 ... 35	9 ... 35	9 ... 35	9 ... 35	9 ... 35	9 ... 35			
Drop-out delay	ms	9 ... 15	9 ... 15	9 ... 15	9 ... 15	9 ... 15	9 ... 15			
Switching items at DC-operation		Standard coil, power consumption at 1,0 U_s								
Making delay	ms	15 ... 40	15 ... 40	15 ... 40	15 ... 40	15 ... 40	15 ... 40			
Drop-out delay	ms	9 ... 15	9 ... 15	9 ... 15	9 ... 15	9 ... 15	9 ... 15			

1) According to VDE 0660 part 102 / IEC 947-4-1 coordination type permit the following damages: **For technical specifications or larger**

K contactors through LS450K (1250A), request from factory.

**LS-K CONTACTORS
FROM LS 75K TO LS 160K
INTERNATIONAL
RATINGS**



Type	LS 75K		LS 90K		LS 110K		LS 132K		LS 160K	
Style	3 pole		3 pole 4 pole		3 pole		3 pole 4 pole		3 pole 4 pole	
Rated insulation voltage U_i	Pollution degree 3									
V	1000		1000		1000		1000		1000	
Rated impulse voltage U_{imp}	kV	8		8		8		8		8
Mechanical endurance										
AC - operation	Operations	Mil	10		10		10		10	
	Operations	Per/H	1200		1200		1200		1200	
Utilization category AC-1	Rated power values at resistive load									
Rated power value Pn	3~230 V	kW	90	90	123	114	114	152	170	191
	3~400 V	kW	155	155	214	196	196	263	310	329
	3~500 V	kW	200	200	281	259	259	346	389	415
	3~690 V	kW	270	270	371	341	341	457	537	572
	3~1000V	kW	400	400	562	517	517	692	780	866
Rated current /e up to 690 V	Amps	250	250	325	315	315	400	450	500	
Minimum wire cross-section under rated load /e	mm ²	120	120	185	185	185	2X(25X5)	2X(30X5)	2X(25X5)	
Admissible practical operation frequency	ops/h	600	600	600	600	600	600	600	600	600
Rated current at 1000 ops/h	A	200	200	260	252	252	320	382	425	
Utilization category AC-3	Rated power values of AC induction type motors									
Rated power value Pn	3~230 V	kW	45	55	65	75			90	
	3~400 V	kW	75	90	110	132			160	
	3~415/440 V	kW	80	100	125	132			185	
	3~500 V	kW	100	110	132	160			200	
	3~690 V	kW	100	132	155	200			250	
	3~1000V	kW	65	100	110	150			200	
Rated current /e up to 440 V	Amps	150	185	205	250			309		
Admiss. switching freq. at Pn and cont. cycling	ops/h	600	600	600	600			600		
Utilization category AC-4	Rated power values of AC induction type motors (High Swithing, Plugging)									
Rated power value in Pn	3~230 V	kW	18,5	22	25	33			37	
	3~400 V	kW	33	40	45	55			63	
	3~500 V	kW	45	50	63	75			90	
	3~690 V	kW	55	63	80	100			110	
Rated current /e with practical electrical endurance up to	3~690 V	Amps	65	75	90	110			125	
Admissible switching frequency	Ops/h	150	150	150	150			150		
Maximum permissible load Pn	3~400 V	kW	75	90	110	132			160	
	3~400 V	A	150	185	205	250			309	
Utilization category AC-6b	Rated power values of AC capacitors (minimum inductance between parallel connected capacitors 6 μH)									
Single / Parallel operation	3~230 V	kvar	54	63	72	85			94	
	3~400 V	kvar	100	112	135	148			171	
DC-switching Rated current /e	3 contacts connected in series (all DC-motors L/R ≤ 15 ms)									
DC-1 (resistive load)	24 ... 220 V /e	A	250	250	315	315			500	
DC-3 / DC-5	24 ... 110 V /e	A	150/95	185/105	205/150	250/185			309/205	
Admissible switching frequency (DC-1 ... DC-5)			50	50	50	50			50	
Short Circuit protection of main contacts¹⁾	Maximum permissible fuse (operating category gL)									
Coordination type >2<			250	250	400	315	315	500	500	500
no welding			160	200	250	250		315		
Operating coil for AC-operation	Standard coil, power consumption at 50 Hz 1,0 U_s									
Operating range 0,8 ... 1,1 U_s	Pick-up PAS	VA	400	400	830	425	750	425	750	
		cos Ø	0,6	0,6	-	-	-	-	-	
	Holding PHS	VA	32	32	60	20	25	20	25	
		cos Ø	0,4	0,4	-	0,37	-	-	-	
Operating coil for DC-operation	Standard coil, power consumption at 1,0 U_s									
Operating range 0,8 ... 1,1 U_s	Pick-up PA	W	135	135	650	350	350	650	350	650
	Holding PH	W	3	3,5	4,5	3,5	3,5	4,5	3,5	4,5
Switching items at AC-operation	Standard coil, power consumption at 1,0 U_s									
Making delay	ms	20 ... 25	20...25	70...80	36 ... 40	60...70	70...80	60...70	70...80	
Drop-out delay	ms	10 ... 13	10...13	70...80	10 ... 15	13...17	70...80	60...70	70...80	
Switching items at DC-operation	Standard coil, power consumption at 1,0 U_s									
Making delay	ms	60 ... 70	60...70	70...80	60 ... 70	60...70	70...80	60...70	70...80	
Drop-out delay	ms	13 ... 17	13...17	70...80	13 ... 17	13...17	70...80	60...70	70...80	
Dimensions										
Without auxiliary contacts	Width mm	135	135	253	173	173	253	173	253	
LS 75 ... LS 450K with .22	Height mm	178	178	270	212	212	270	212	270	
	Depth mm	165,5	165,5	246	208	208	246	208	246	

1) According to VDE 0660 part 102 / IEC 947-4-1 coordination type permit the following damages:

^{2<} Slight welding of contacts that can easily be opened, is admitted but no further damages.

For technical specifications or larger K contactors through LS450K (1250A), request from factory.

LS-K CONTACTORS FROM LS 220K TO LS 450K INTERNATIONAL RATINGS



Type Style	LS 220K 3 pole 4 pole	LS 280K 3 pole 4 pole	LS 375K 3 pole	LS 450K 3 pole 4 pole
Rated insulation voltage U_{imp} V	1000	1000	1000	1000
Rated impulse voltage U_{imp} kV	-	-	-	-
Mechanical endurance				
AC/DC Operations	10	10	10	3
Operations Per/H	1200	1200	900	600
Utilization category AC-1	Rated power values at resistive load			
Rated power value Pn	3~ 230V kW	228	266	381
	3~ 400V kW	395	460	658
	3~ 500V kW	519	606	866
	3~ 690V kW	686	800	1143
	3~1000V kW	1039	1212	1732
Rated current /e up to 690V	Amps	600	700	1000
Minimum wire cross-section under rated load /e	mm ²	2X(30X8)	2X(30X10) 2X(40X10)	
Admissible practical operation frequency	ops/h	300	300	300
Rated current at 1000 ops/h	A	510	546	736
Utilization category AC-3	Rated power values of AC induction type motors			
Rated power value Pn	3~ 230V kW	125	160	220
	3~ 400V kW	220	280	375
	3~ 415/440V kW	230	315	400
	3~ 500V kW	300	400	480
	3~ 690V kW	375	450	500
	3~1000V kW	300	375	450
Rated current /e up to 440V	Amps	420	550	700
Admiss. switching freq. at Pn and cont. cycling	ops/h	300	300	300
Utilization category AC-4	Rated power values of AC induction motors (high switching, plugging duty)			
Rated power value in Pn	3~ 230V kW	45	50	80
	3~ 400V kW	80	90	132
	3~ 500V kW	100	110	225
	3~ 690V kW	132	150	250
Rated current /e with practical element endurance up to	Amps	150	165	250
Admissible switching frequency	Ops/h	150	150	120
Maximum permissible load Pn	3~400V kW	220	280	375
	3~400V A	420	550	700
Utilization category AC-6b	Rated values of AC capacitors (minimum inductance between parallel connected capacitors 6 µH)			
Single / Parallel operation	3~ 230V kvar	121	171	225
	3~ 400V kvar	234	292	360
DC-switching Rated current /e	3 contacts connected in series (all DC-motors L/R ≤ 15 ms)			
DC-1 (resistive load)	24 ... 220 V /e A	600	700	1000
DC-3 / DC-5	24 ... 110 V /e A	420/250	550/300	700/400
Admissible switching frequency (DC-1 ... DC-5)		50	50	50
Short Circuit protection of main contacts¹⁾	Maximum permissible fuse (operating category gl.)			
Coordination type »2«		630	800	1000
no welding		400	500	630
Operating coil for AC-operation	Standard coil, power consumption at 50 Hz 1,0 U _s			
Operating range 0,8 ... 1,1 U _s	Pick-up PA	VA	680	680
	Cos Ø		-	-
	Holding PHs	VA	23	23
	Cos Ø		-	-
Operating coil for DC-operation	Standard coil, power consumption at 1,0 U _s			
Operating range 0,8 ... 1,1 U _s	Pick-up PA	W	600	600
	Holding PH	W	4	4,5
Switching items at AC-operation	Standard coil, power consumption at 1,0 U _s			
Making delay	ms	80 ... 90	80 ... 90	70 ... 80
Drop-out delay	ms	40 ... 50	40 ... 50	70 ... 80
Switching items at DC-operation	Standard coil, power consumption at 1,0 U _s			
Making delay	ms	80 ... 90	80 ... 90	-
Drop-out delay	ms	40 ... 50	40 ... 50	-
Dimensions				
Without auxiliary contacts	Width mm	160 214	160 214	253
LS 75 ... LS 450K with .22	Height mm	220	220	270
	Depth mm	228	228	262
				312
				464 581
				380
				327

1) According to VDE 0660 part 102 / IEC 947 -4-1 coordination type permit the following damages:

»2« Slight welding of contacts that can easily be opened, is admitted but no further damages.

For technical specifications or larger K contactors through LS450K (1250A), request from factory.

Approvals



IEC/EN 60947-1
IEC/EN 60947-5-1
VDE 0660
File # E76233

Technical Data

LS7K-04, -4, -22, 00

30 Amp Ballast (600vac)
20 Amp Tungsten (277vac)

LS11K - 4,-22

30 Amp Tungsten (480vac)
30 Amp Ballast (277vac)

LS22K-3-

90 Amp Ballast (480vac)
60 Amp Tungsten (277vac)

Ambient Temperature

(Operational) -13°F - 131°F (-25°C / +55°C)

Torque / Wire size

LS7K-4-(15lbs. 14-10AWG)

LS11K-4-(16lbs. 14-8 AWG)

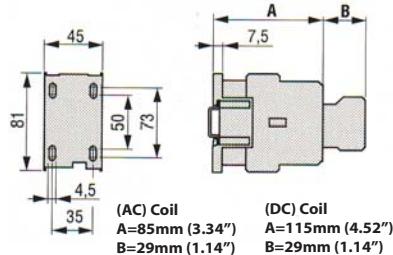
LS22K-3-(40lbs. 14-1/0 AWG)



Coil Consumption	Inrush	Holding
LS7K-4,-22 (AC)	45VA	6VA
LS7K-4,-22 (DC)	5.5W	5.5W
LS11K-4-(AC)	45VA	6VA
LS22-3-(AC)	191VA	17VA
LS11K-4-(DC)	5.5W	5.5W
LS22K-3-(DC)	125W	2.5W

Mounting Details Aprox.

LS7K-04



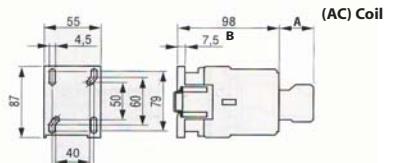
Mounting Options

35mm or screw mount
(90°Intervals 360°)

Dimensions Approximate

A=Top Mount
Auxiliary Adder

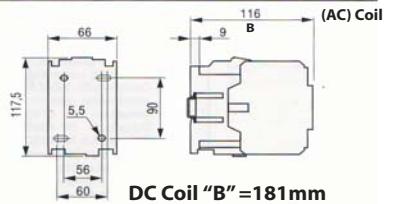
LS11K-4- 4 Pole



Part Number

LK-HS7K.01/10 - (Top Mount) Add .11.0" Depth
LK - HS8K.20 or .11(side mount) Add .44" width

LS22K-3- 3 Pole



3 Pole / 4Pole / 30Amp Ballast, 20Amp Tungsten

Pole	Catalog #	Poles	N.O N.C	AC Coil	DC Coil	Enclosed NEMA 1 (metal) M1 Add
4 Pole	LS7K-04-*	0	4	\$100	NA	+\$69
4 Pole	LS7K-4-*	4	0	\$94	\$122	+\$69
4 Pole	LS7K-22-*	2	2	\$100	\$128	+\$69
3 Pole	LS7K.00-*	3	0	\$88	\$116	+\$69

4 Pole	30 Amp Tungsten / 30 Amp Ballast
4 Pole	LS11K-4-* 4 0 \$110 \$138 +\$69
4 Pole	LS11K-22-* 2 2 \$110 \$138 +\$69

3 Pole	60 Amp Tungsten / 90 Amp Ballast
3 Pole	LS22K-3-* 3 0 \$160 \$205 +\$69

To Order:

Replace Asterisk * in part number with coil voltage suffix in chart.

Example: LS11K - 4 - A=(120 VAC Coil)

For Accessories & Enclosures see p.60, 61

* Coil Voltage Chart

	AC 60Hz	50Hz	Voltage
-G	24	24	
-A	120	120	
-B	200	200	
-C	220	220	
-H	277	230	
-E	480	380	
-F	600	500	

*DC Voltage

-MSW	12 VDC
-NSW	24 VDC
-OSW	48 VDC
-PSW	110 VDC
-RSW	220 VDC



Mini Reversing Contactor
Type RLS7K-



Mini Reversing Starter
Type RXLS05
(NEMA SIZE 0)

REVERSING STARTERS and CONTACTORS

Complete line of open type and enclosed controls

- NEMA Type 1 (metal)
- NEMA 3R (metal)
- NEMA 12 (metal)
- NEMA 4X (fiberglass)
- X-Proof (contact factory)

-
- 3 pole electrical and mechanically interlocked starters.
 - UL and NEMA rated contactors and starters

Applications

- Gear motors
- Milling machines
- Overhead garage doors
- Presses

Conformity to Standards

IEC 947-
VDE 0660
BS 5424



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TYPE RXLSK AC REVERSING STARTERS 3 PHASE FULL VOLTAGE

AEG



All Starters Supplied with BUILT-IN HEATERS

Size 00-2

CE UL US

NEMA
RATED

AC-1 AMPS	AC-3 AMPS	Horse Power (UL) Ratings 3 Phase Motor Max UL Volts	OPEN	ENCLOSED					Comparable NEMA HP NEMA Size
				NEMA 1 General Purpose	NEMA 4X ▶ Outdoor (non-metal)	NEMA 4 ▶ (metal)	NEMA 3R (metal)	NEMA 12 Dust Tight (metal)	
20A	9A	200V 3 HP 230V 3 HP 460V 5 HP 600V 5 HP	RXLS05 -★0-★★ \$171	RXLS05 -★1-★★ \$243	RXLS05 -★4x-★★ \$296	RXLS05 -★4-★★ \$316	RXLS05 -★3R-★★ \$277	RXLS05 -★12-★★ \$306	
25A	9A	200V 3 HP 230V 3 HP 460V 5 HP 600V 7.5 HP LIST	RXLS4K -★0-★★ \$238	RXLS4K -★1-★★ \$328	RXLS4K -★4x-★★ \$394	RXLS4K -★4-★★ \$437	RXLS4K -★3R-★★ \$375	RXLS4K -★12-★★ \$427	
25A	12A	200V 3 HP 230V 3 HP 460V 7.5 HP 600V 10 HP LIST	RXLS5K -★0-★★ \$262	RXLS5K -★1-★★ \$352	RXLS5K -★4x-★★ \$418	RXLS5K -★4-★★ \$451	RXLS5K -★3R-★★ \$398	RXLS5K -★12-★★ \$441	200V 1.5 HP 230V 1.5 HP 460V 2 HP 600V 2 HP NEMA 00
32A	18A	200V 5 HP 230V 5 HP 460V 10 HP 600V 15 HP LIST	RXLS7K -★0-★★ \$268	RXLS7K -★1-★★ \$358	RXLS7K -★4x-★★ \$424	RXLS7K -★4-★★ \$465	RXLS7K -★3R-★★ \$412	RXLS7K -★12-★★ \$455	
45A	25A	200V 5 HP 230V 7.5 HP 460V 15 HP 600V 15 HP LIST	RXLS11K -★0-★★ \$298	RXLS11K -★1-★★ \$388	RXLS11K -★4x-★★ \$454	RXLS11K -★4-★★ \$499	RXLS11K -★3R-★★ \$424	RXLS11K -★12-★★ \$489	200V 3 HP 230V 3 HP 460V 5 HP 600V 5 HP NEMA 0
60A	32A	200V 10 HP 230V 10 HP 460V 20 HP 600V 25 HP LIST	RXLS15K -★0-★★ \$388	RXLS15K -★1-★★ \$478	RXLS15K -★4x-★★ \$544	RXLS15K -★4-★★ \$608	RXLS15K -★3R-★★ \$568	RXLS15K -★12-★★ \$598	
60A	40A	200V 10 HP 230V 10 HP 460V 25 HP 600V 25 HP LIST	RXLS18K -★0-★★ \$408	RXLS18K -★1-★★ \$498	RXLS18K -★4x-★★ \$564	RXLS18K -★4-★★ \$750	RXLS18K -★3R-★★ \$705	RXLS18K -★12-★★ \$740	200V 7.5 HP 230V 7.5 HP 460V 10 HP 600V 10 HP NEMA 1
90A	50A	200V 15 HP 230V 15 HP 460V 30 HP 600V 40 HP LIST	RXLS22K -★0-★★ \$438	RXLS22K -★1-★★ \$633	RXLS22K -★4x-★★ \$713	RXLS22K -★4-★★ \$985	RXLS22K -★3R-★★ \$784	RXLS22K -★12-★★ \$975	
110A	65A	200V 20 HP 230V 20 HP 460V 40 HP 600V 50 HP LIST	RXLS30K -★0-★★ \$609	RXLS30K -★1-★★ \$804	RXLS30K -★4x-★★ \$884	RXLS30K -★4-★★ \$1,170	RXLS30K -★3R-★★ \$897	RXLS30K -★12-★★ \$1,160	
110A	80A	200V 20 HP 230V 25 HP 460V 50 HP 600V 60 HP LIST	RXLS37K -★0-★★ \$709	RXLS37K -★1-★★ \$904	RXLS37K -★4x-★★ \$984	RXLS37K -★4-★★ \$1,255	RXLS37K -★3R-★★ \$982	RXLS37K -★12-★★ \$1,245	200V 10 HP 230V 15 HP 460V 25 HP 600V 25 HP NEMA 2

Steps To Order Motor Starter:

Step 1-Size Choose from the UL HP and Voltage list per your application.
For example: 5 HP 230V 3 phase part # RXLS7K.

Step 2 - Coil* From the coil suffix chart on the next page choose the suffix for your control circuit voltage requirement.(Example: 24VAC = G-) (Part # RXLS7K-G-)

Step 3 -Enclosure specify "open" or "enclosed" requirements.
For example if NEMA 12 (part #RXLS7K-G12-).

Step 4 -Overload Amps** This step requires a suffix for your overload protection, refer to "OVERLOAD RELAY SUFFIX TABLE" (next page)
(Example: 5HP @ 230V 3 Phase, if 13 Full Load Amps = suffix "N".)
Example: RXLS7K- G12 -N

RXLSK Series Starters

- (what's included?)
- AEG 3 Phase Reversing Starters.
- (Ambient compensated Bi metallic windings).
- -25°C - $+60^{\circ}\text{C}$ (-11.20°F - +140°F).
- Overload Class 10 (adjustable heaters).
- Electrical & Mechanical interlocks as standard.
- Thru door reset. Enclosed units only).

Modifications and accessories are listed on pages 60, 61

For Operators, Transformers & Accessories see page 60



TYPE RXLSK AC STARTERS

3 Phase Full Voltage-Across the Line

AEG

All Starters Supplied with BUILT-IN HEATERS

Size 3-5 cUL CE

NEMA
RATED

AC-1 AMPS	AC-3 AMPS	Horse Power Ratings 3 Phase Motor		OPEN	ENCLOSED					NEMA HP
		Max UL Volts	HP		NEMA 1 General Purpose (metal)	NEMA 4X ▶ Outdoor Dust Tight (non metal)	NEMA 4 ▶ (metal)	NEMA3R Rain Tight (metal)	NEMA12 Dust Tight (metal)	
140A	95A	200V 230V 460V 600V	25 HP 30 HP 60 HP 75 HP	RXLS45K -★0-★★	RXLS45K -★1-★★	RXLS45K -★4x-★★	RXLS45K -★4-★★	RXLS45K -★3R-★★	RXLS45K -★12-★★	
		LIST			\$910	\$1,151	\$1,263	\$1,450	\$1,199	
140A	105A	200V 230V 460V 600V	30 HP 40 HP 75 HP 75 HP	RXLS55K -★0-★★	RXLS55K -★1-★★	RXLS55K -★4x-★★	RXLS55K -★4-★★	RXLS55K -★3R-★★	RXLS55K -★12-★★	200V 25 HP 230V 30 HP 460V 50 HP 600V 50 HP NEMA 3
		LIST			\$1,090	\$1,331	\$1,443	\$1,850	\$1,395	
250A	150A	200V 230V 460V 600V	40 HP 50 HP 100 HP 125 HP	RXLS75K -★0-★★	RXLS75K -★1-★★	RXLS75K -★4x-★★	RXLS75K -★4-★★	RXLS75K -★3R-★★	RXLS75K -★12-★★	
		LIST			\$1,855	\$2,100	\$2,505	\$2,675	\$2,464	
250A	185A	200V 230V 460V 600V	50 HP 60 HP 125 HP 150 HP	RXLS90K -★0-★★	RXLS90K -★1-★★	RXLS90K -★4x-★★	RXLS90K -★4-★★	RXLS90K -★3R-★★	RXLS90K -★12-★★	200V 40 HP 230V 50 HP 460V 100 HP 600V 100 HP NEMA 4
		LIST			\$2,355	\$2,600	\$3,005	\$3,425	\$2,884	
315A	205A	200V 230V 460V 600V	60 HP 75 HP 150HP 150HP	RXLS110K -★0-★★	RXLS110K -★1-★★	RXLS110K -★4x-★★	RXLS110K -★4-★★	RXLS110K -★3R-★★	RXLS110K -★12-★★	
		LIST			\$2,583	\$3,308	\$4,143	\$4,413	\$4,090	
315A	250A	200V 230V 460V 600V	60 HP 75HP 150HP 150HP	RXLS132K -★0-★★	RXLS132K -★1-★★	RXLS132K -★4x-★★	RXLS132K -★4-★★	RXLS132K -★3R-★★	RXLS132K -★12-★★	
		LIST			\$2,860	\$3,585	\$4,420	\$4,680	\$4,162	
450A	309A	200V 230V 460V 600V	100 HP 100HP 250 HP 300HP	RXLS160K -★0-★★	RXLS160K -★1-★★	RXLS160K -★4x-★★	RXLS160K -★4-★★	RXLS160K -★3R-★★	RXLS160K -★12-★★	200V 75 HP 230V 100 HP 460V 200 HP 600V 200 HP NEMA 5
		LIST			\$2,948	\$3,673	\$4,508	\$4,830	\$4,250	
600A	420A	200V 230V 460V 600V	125HP 150HP 300HP 400HP	RXLS220K -★0-★★	RXLS220K -★1-★★	RXLS220K -★4x-★★	RXLS220K -★4-★★	RXLS220K -★3R-★★	RXLS220K -★12-★★	
		LIST			\$4,050	\$5,350	\$5,750	\$6,673	\$6,599	
700A	550A	200V 230V 460V 600V	150HP 200HP 400HP 500HP	RXLS280K -★0-★★	RXLS280K -★1-★★	RXLS280K -★4x-★★	RXLS280K -★4-★★	RXLS280K -★3R-★★	RXLS280K -★12-★★	
		LIST			\$6,150	\$7,450	\$7,850	\$8,673	\$8,488	

* Coil
Suffix

For LS4K-LS18K (3 pole)

AC	60Hz	50Hz
-G	24	24
-A	120	120
-B	200	200
-C	220	220
-H	277	230
-E	480	380
-F	600	500

DC add \$60 to list

-MSW	12 VDC
-NSW	24VDC
-OSW	48 VDC
-PSW	110 VDC
-RSW	220 VDC

For LS22K-LS55K (3 pole)

AC	60Hz	50Hz
-G	24	24
-A	120	120
-B	200	200
-C	220	220
-H	277	230
-E	480	380
-F	600	500

DC add \$90 to list

-NSW	24-28 VDC
-OSW	42-48 VDC
-PSW	110-127 VDC
-RSW	220-250 VDC

For LS75K-LS375K (3 Pole)

AC/DC	50/60 Hz + DC
-N	24-28V
-AP	110-127V
-CR	220-250V
-EX	440-500V

No Addition for DC above.

Part # Example: XLS45K:

XLS45K= Size LS45K Contactor

A= 120 VAC Coil

I= NEMA 1 Enclosure

Q= 30-43 Amps

Complete Part Number:

XLS45K-AI-Q

** Overload Relay Suffix

O.L. Relay Setting Range (Amps)	O.L. Relay Setting Range (Amps)
-B 0.16-0.26	-ON 21-26
-C 0.25-0.41	-P 25-32
-D 0.4-0.65	-Q 30-43
-E 0.65-1.1	-QN 42-55
-F 1.1-1.5	-RN 54-65
-G 1.3-1.9	-SN 64-82
-H 1.8-2.7	-TM 78-97
-I 2.5-4	-TN 90-110
-K 4-6.3	-TT 110-140
-L 5.5-8.5	-U 140-190
-M 8-12	-V 175-280
-N 10-16	-W 200-310
-O 14.5-18	-WT 250-400
-OM 17.5-22	-X 315-500

For Technical Details on Reversing
Starters See Page 50,53,68,69

Discount Schedule ST

Modification & Accessories

See Page 60, 61

Single Phase Reversing Starter Controls (Included)

- A) All RSXLSK Series Reversing Starters are cUL Approved.**
- B) All Reversing Starters Include Thru Door Reset as Standard.**
- C) Type RSXLSK Starters Have Precision Ambient Compensated heaters. (25°C - +60°C) - 11°F - +140°F**

Steps To Order Motor Starter:

Step 1-Size Choose from the UL HP and Voltage list per your application.
For example: 5 HP 230V Single Phase Reversing Starter (Example: RSXLS15K-)

Step 2 - Coil* From the coil suffix chart below. Choose your control circuit voltage requirement.(Example: 24VAC = G-) RSXLS15K-G

Step 3 -Enclosure specify "open" or "enclosed" requirements.
For example if NEMA 12 (part # RSXLS15K-G12-)

Step 4 -Overload Amps** This step requires a suffix for your overload protection, refer to "OVERLOAD RELAY SUFFIX TABLE"
(Example: 5HP @ 230V Single Phase, if 28Full Load Amps = suffix "P".)
Example: RSXLS15K-G12-P For additional options see page ?

Size	NEMA Horse Power Ratings 1 Phase Motors 115V HP 230V HP		OPEN	NEMA 1 General Purpose (metal)	NEMA 4X Outdoor ▶ Dust Tight (non metal)	NEMA 4 ▶ (metal)	NEMA 3R Raintight (metal)	NEMA 12 Dust Tight (metal)
MINI LIST	1/2	1	RSXLS05 -★0-★★ \$171	RSXLS05 -★1-★★ \$243	RSXLS05 -★4X-★★ \$296	RSXLS05 -★4-★★ \$316	RSXLS05 -★3R-★★ \$277	RSXLS05 -★12-★★ \$306
00 LIST	3/4	2	RSXLS5K -★0-★★ \$262	RSXLS5K -★1-★★ \$352	RSXLS5K -★4X-★★ \$418	RSXLS5K -★4-★★ \$451	RSXLS5K -★3R-★★ \$398	RSXLS5K -★12-★★ \$441
LIST	1	3	RSXLS7K -★0-★★ \$268	RSXLS7K -★1-★★ \$358	RSXLS7K -★4X-★★ \$424	RSXLS7K -★4-★★ \$465	RSXLS7K -★3R-★★ \$412	RSXLS7K -★12-★★ \$455
0 LIST	1 ^{1/2}	3	RSXLS11K -★0-★★ \$298	RSXLS11K -★1-★★ \$388	RSXLS11K -★4X-★★ \$454	RSXLS11K -★4-★★ \$499	RSXLS11K -★3R-★★ \$424	RSXLS11K -★12-★★ \$489
LIST	2	5	RSXLS15K -★0-★★ \$388	RSXLS15K -★1-★★ \$478	RSXLS15K -★4X-★★ \$544	RSXLS15K -★4-★★ \$608	RSXLS15K -★3R-★★ \$568	RSXLS15K -★12-★★ \$598
1 LIST	3	5	RSXLS18K -★0-★★ \$408	RSXLS18K -★1-★★ \$495	RSXLS18K -★4X-★★ \$564	RSXLS18K -★4-★★ \$750	RSXLS18K -★3R-★★ \$705	RSXLS18K -★12-★★ \$740
LIST	3	7 1/2	RSXLS22K -★0-★★ \$438	RSXLS22K -★1-★★ \$633	RSXLS22K -★4X-★★ \$713	RSXLS22K -★4-★★ \$985	RSXLS22K -★3R-★★ \$784	RSXLS22K -★12-★★ \$975
LIST	5	10	RSXLS30K -★0-★★ \$609	RSXLS30K -★1-★★ \$804	RSXLS30K -★4X-★★ \$884	RSXLS30K -★4-★★ \$1,170	RSXLS30K -★3R-★★ \$897	RSXLS30K -★12-★★ \$1,160
2 LIST	5	15	RSXLS37K -★0-★★ \$709	RSXLS37K -★1-★★ \$904	RSXLS37K -★4X-★★ \$984	RSXLS37K -★4-★★ \$1,255	RSXLS37K -★3R-★★ \$982	RSXLS37K -★12-★★ \$1,245

* Coil Suffix Chart

For LS4K-LS18K (3 pole)		
AC	60Hz	50Hz
-G	24	24
-A	120	120
-B	200	200
-C	220	220
-H	277	230
-E	480	380
-F	600	500

DC add \$60 to list		
-MSW	12 VDC	-NSW
-NSW	24VDC	24-28 VDC
-OSW	48 VDC	42-48 VDC
-PSW	110 VDC	110-127 VDC
-RSW	220 VDC	220-250 VDC

For LS22K-LS55K (3 pole)		
AC	60Hz	50Hz
-G	24	24
-A	120	120
-B	200	200
-C	220	220
-H	277	230
-E	480	380
-F	600	500

DC add \$90 to list		
-NSW	24-28 VDC	-OSW
-OSW	42-48 VDC	110-127 VDC
-PSW	110-127 VDC	220-250 VDC
-RSW	220-250 VDC	

For LS75K-LS375K (3 Pole)	
AC/DC	50/60 Hz + DC
-N	24-28V
-AP	110-127V
-CR	220-250V
-EX	440-500V

** Overload Relay Suffix			
O.L. Relay Setting Range		O.L.R relay Setting Range	
Suffix (Amps)	Setting Range	Suffix (Amps)	
-B	0.16-0.26	-ON	21-26
-C	0.25-0.41	-P	25-32
-D	0.4-0.65	-Q	30-43
-E	0.65-1.1	-QN	42-55
-F	1.1-1.5	-RN	54-65
-G	1.3-1.9	-SN	64-82
-H	1.8-2.7	-TM	78-97
-I	2.5-4	-TN	90-110
-K	4-6.3	-TT	110-140
-L	5.5-8.5	-U	140-190
-M	8-12	-V	175-280
-N	10-16	-W	200-310
-O	14.5-18	-WT	250-400 :00
-OM	17.5-22	-X	315-500 :00

No Addition for DC above.
Coil Tolerance for AC/DC coils
are less 20% - +10% of nominal
Voltage.
= If unsure of overload Suffix &
only know HP and voltage see
chart on the back inside cover.

Reversing Contactors (3 Phase)

AC - 1 Amps	AC - 3 Amps	Horse Power Rating 3 Phase	OPEN	NEMA 1 (METAL) Enclosed	NEMA 4X (NON-METAL) Enclosed -4X
		Volts HP			
25A	9A	200V 3HP			
		230V 3HP			
		460V 5HP	RLS4K	RLS4K	RLS4K
		600V 7.5HP	-*0	-*1	-*-4X
		LIST	\$ 183	\$ 270	\$ 336
25A	12A	200V 3HP			
		230V 3HP			
		460V 7.5HP	RLS5K	RLS5K	RLS5K
		600V 10HP	-*0	-*1	-*-4X
		LIST	\$ 207	\$ 294	\$ 360
32A	18A	200V 5HP			
		230V 5HP			
		460V 10HP	RLS7K	RLS7K	RLS7K
		600V 15HP	-*0	-*1	-*-4X
		LIST	\$ 213	\$ 300	\$ 366
45A	25A	200V 5HP			
		230V 7.5HP			
		460V 15HP	RLS11K	RLS11K	RLS11K
		600V 15HP	-*0	-*1	-*-4X
		LIST	\$ 243	\$ 330	\$ 396
60A	32A	200V 10HP			
		230V 10HP			
		460V 20HP	RLS15K	RLS15K	RLS15K
		600V 25HP	-*0	-*1	-*-4X
		LIST	\$ 323	\$ 410	\$ 476
60A	40A	200V 10HP			
		230V 10HP			
		460V 25HP	RLS18K	RLS18K	RLS18K
		600V 25HP	-*0	-*1	-*-4X
		LIST	\$ 343	\$ 430	\$ 496
90A	50A	200V 15HP			
		230V 15HP			
		460V 30HP	RLS22K	RLS22K	RLS22K
		600V 40HP	-*0	-*1	-*-4X
		LIST	\$ 353	\$ 545	\$ 625
110A	65A	200V 20HP			
		230V 20HP			
		460V 40HP	RLS30K	RLS30K	RLS30K
		600V 50HP	-*0	-*1	-*-4X
		LIST	\$ 513	\$ 705	\$ 785
110A	80A	200V 20HP			
		230V 25HP			
		460V 50HP	RLS37K	RLS37K	RLS37K
		600V 60HP	-*0	-*1	-*-4X
		LIST	\$ 613	\$ 805	\$ 885

***Coil Suffix Chart**
FOR LS4K - LS18K FOR LS22K - LS55K

*AC 60Hz	50Hz	*AC 60Hz	50Hz	FOR LS75K - LS375K (3 Pole) AC/DC 50/60 Hz + DC
-G 24	24	-G 24	24	
-A 120	120	-A 120	120	-N 24-28V
-B 200	200	-B 200	200	-AP 110-127V
-C 220	220	-C 220	220	-CR 220-250V
-H 277	230	-H 277	230	-EX 440-500V
-E 480	380	-E 480	380	No additional Charge for DC LS75K - LS375K
-F 600	500	-F 600	500	
DC		DC		
-MSW 12VDC		-NSW 24-28VDC		
-NSW 24VDC		-OSW 42-48VDC		
-OSW 48VDC		-PSW 110-127VDC		
-PSW 110VDC		-RSW 220-250VDC		
-RSW 220VDC				
Add \$60 for DC		Add \$90 for DC		

Discount Schedule ST
OPEN & ENCLOSED

RoHS Compliant
AEG

AC - 1 Amps	AC - 3 Amps	Horse Power Rating 3 Phase	OPEN	NEMA 1 (METAL) Enclosed	NEMA 4X (NON-METAL) Enclosed -4X
		Volts HP			
140A	95A	200V 25HP	RLS45K	RLS45K	RLS45K
		230V 30HP	-*0	-*1	-*-4X
		460V 60HP			
		600V 75HP			
		LIST	\$ 793	\$ 1,031	\$ 1,143
140A	105A	200V 30HP			
		230V 40HP			
		460V 75HP	RLS55K	RLS55K	RLS55K
		600V 75HP	-*0	-*1	-*-4X
		LIST	\$ 973	\$ 1,211	\$ 1,323
250A	150A	200V 40HP			
		230V 50HP			
		460V 100HP	RLS75K	RLS75K	RLS75K
		600V 125HP	-*0	-*1	-*-4X
		LIST	\$ 1,670	\$ 1,927	\$ 2,317
250A	185A	200V 50HP			
		230V 60HP			
		460V 125HP	RLS90K	RLS90K	RLS90K
		600V 150HP	-*0	-*1	-*-4X
		LIST	\$ 2,170	\$ 2,427	\$ 2,817
315A	205A	200V 60HP			
		230V 75HP			
		460V 150HP	RLS110K	RLS110K	RLS110K
		600V 150HP	-*0	-*1	-*-4X
		LIST	\$ 2,398	\$ 2,993	\$ 3,188
315A	250A	200V 60HP			
		230V 75HP			
		460V 150HP	RLS132K	RLS132K	RLS132K
		600V 150HP	-*0	-*1	-*-4X
		LIST	\$ 2,470	\$ 3,065	\$ 3,260
450A	309A	200V 100HP			
		230V 100HP			
		460V 250HP	RLS160K	RLS160K	RLS160K
		600V 300HP	-*0	-*1	-*-4X
		LIST	\$ 2,528	\$ 3,123	\$ 3,318
600A	420A	200V 125HP			
		230V 150HP			
		460V 300HP	RLS220K	RLS220K	RLS220K
		600V 400HP	-*0	-*1	-*-4X
		LIST	\$ 3,510	\$ 4,232	\$ 5,067
700A	550A	200V 150HP			
		230V 200HP			
		460V 400HP	RLS280K	RLS280K	RLS280K
		600V 500HP	-*0	-*1	-*-4X
		LIST	\$ 5,610	\$ 6,332	\$ 7,167

Reversing Contactors are supplied wired. For units desired less wire Add **Suffix - LW**
Contact Factory for deduction of price.

Enclosure Description

Nema 1 - General Purpose (indoor)
Nema 4X- Non - Metal (outdoor)
Dust tight / water tight.

Open Type

No Enclosure

To Order Reversing Contactor

Example: 5 HP 460V Reversing
Contactor 120VAC Coil

Part # RLS4K-AO

List = \$183.00



Standard Modifications & Field Kits for ALL Contactors & Starters

Standard Modifications & Field Kits

Standard Modifications	Meets NEMA	Field Kit Part #	LIST	Add to Part #	LIST	For Custom Assemblies Contact Factory				
				Factory Installed Suffix No.		Auxiliary Suffixes				
Start - Stop Pushbuttons	1	KSS-2	\$ 25	-KSS-2	\$ 35	2N.O. / 2N.C.				
Start - Stop Pushbuttons	3, 4, 12, 4X	KSS-3	\$ 35	-KSS-3	\$ 90	For Contactors and starters that require TOP MOUNT Auxiliaries Please indicate by placing a "T" after auxiliary designation.				
Hand - Off - Auto	1	KSL-1	\$ 35	-KSL-1	\$ 35	Example : LS11K.22T-A				
Hand - Off - Auto	3, 4, 12, 4X	KSL-3	\$ 35	-KSL-3	\$ 90	T= Top mount				
Extra Pushbuttons	1, 4, 12, 4X		\$ 35		\$ 70					
Red Pilot Light	1, 4, 12, 4X	KRPL	\$ 55	-RPL-	\$ 60					
Forward Off Reverse	1, 4, 12, 4X	KFOR	\$ 35	-FOR	\$ 90					
Control Circuit Transformer Size		Add Suffix to Part #								
For Contactors	VA Size	See Transformer Page 63		- FT — \$ 135						
LS4K-18K	50VA			- FT — \$ 280						
LS22K-55K	100VA			- FT — \$ 340						
LS75K-90K	150VA			- FT — \$ 380						
LS110K-160K	200VA			- FT — \$ NC						
LS220-280K	250VA									
Transformer Prices include primary & secondary fuses. To Add to control simply place the PRIMARY VOLTAGE or Incoming VOLTAGE AFTER the FT. Example: FT460										
Example: Complete Part # : XLS5K-A1-L-FT460										

Discount Schedule for **ABOVE** modifications apply for AEG (ST) & EEC/ECX (EC)

Item Description to be Enclosed	AEG/EEC Part Numbers	NEMA 1 METAL (UL) "WR" = WITH RESET ■ = Hinged Enclosures	LIST	NEMA 4X UL DUST /WATER TIGHT (NON-METAL)	LIST
Contactors 55 Amp Max	SH05, SH5, LS05, LS07 LS4K, 5K, 7K, 11K, 15K, 18K	M01-070405H ■	\$ 69	S4X-AM864	\$ 92
Mini starters	XLS05, XLS07, XLS4K-18K	M01-070405H WR(hinge) ■	\$ 72	S4X-AM864-WR	\$ 95
Starters 25 HP Max	XLS4K, 5K, 7K, 11K, 15K, 18K	M01-100706-WR (no hinge)	\$ 72	S4X-AM1008-WR	\$ 125
Contactors 110 Amps Max	LS22K, 30K, 37K	M01-100706-(no hinge)	\$ 69	S4X-AM1008-	\$ 122
Contactors 140 Amps Max	LS45K, 55K	M01-121006 ■	\$ 87	S4X-AM1210	\$ 153
Reversing Contactors, 55amp max	RLS4K, 5K, 7K, 11K, 15K, 18K	M01-121006		S4X-AM1210-WR	\$ 156
Starters 50 HP Max	XLS22K, 30K, 37K,	M01-121006-WR ■	\$ 90	S4X-AM1412-WR	\$ 200
Reversing Starter (25HP Max)	RXL54K, 5K, 7K, 11K, 15K, 18K	M01-140806-WR ■	\$ 85	S4X-AM1614-WR	\$ 275
Starters 75 Amp Max	XLS45K, 55K	M01-140806-WR ■	\$ 85	S4X-AM2016	\$ 350
Reversing Starters 50 HP Max	RXL522K, 30K, 37K	M01-161208-WR ■	\$ 195	S4X-AM2016-WR	\$ 353
Contactors 125 HP Max	LS75K, LS90K	M01-201608 ■	\$ 238	S4X-AM2420-WR	\$ 650
Reversing Starters 75 HP Max	RXL545K, 55K	M01-201608-WR ■	\$ 241	S4X-AM2420	\$ 647
Starters 125 Amps Max	XLS75K, 90K	M01-242008-WR ■	\$ 245	S4X-AM3024	\$ 790
Reversing Starters 125 HP Max	RXL575K, 90K	M01-242008	\$ 257	S4X-AM3630-WR	\$ 1,560
Contactors 250 HP Max	LS110K, 132K, 160K	M01-302410 ■	\$ 595	S4X-AM3630	\$ 1,557
Reversing Contactors 250 HP Max	RXL5110K, 132K, 160K	M01-302410 ■	\$ 595	S4X-AM483612-WR	\$ 1,700
Starters 250 HP Max	XLS110K, 132K, 160K	M01-362412-WR ■	\$ 725		
Reversing Starters 250 HP Max	RXL5110K, 132K, 160K	M01-362412 ■	\$ 722		
Reversing Contactors	RLS220K, RLS280K, LS220K	M01-362412 ■	\$ 722		
Starter 400 HP Max	XLS220K, 280K	M01-423612-WR ■	\$ 1,300		
Reversing Starters 400 HP Max	RXL5220K, 280K	M01-423612 ■	\$ 1,300		

Enclosure Part # Provides dimensions, **Example:** M01-070405, 7" Height, 4" Width, 5" Depth.

Discount Schedule for Enclosures Only (RP)

■ = Hinged Enclosures (Others are LIFT OFF Cover). (4X) All Hinged Enclosures.