

LRS1 Series Thermal Relay

Application

LRS1 series thermal relay is suitable for using in the circuits rated voltage up to 660V, rated current 80A, AC 50/60Hz, for over-current protection of AC motor. The relay has the differential mechanism and temperature compensation and can plug in CJX2 series AC contactor. The product conforms to IEC60947-4-1 standard.



LRS1-09-25

Motion characteristic: three-phase balance motion time

No	Times of the setting current	Motion time			Start condition	Ambient temperature
1	1.05	>2h			Cold state	20±5℃
2	1.2	<2h			Heat state (Following the No.1 test)	
3	1.5	<4min				
4	7.2	10A	2s<Tp≤ 10s	≤ 63A	Cold state	
		10	4s<Tp≤ 10s	>63A		

Phase-losing motion characteristic

No	Times of the setting current		Motion time	Start condition	Ambient temperature
	Any two phases	Another phase			
1	1.0	0.9	>2h	Cold state	20±5℃
2	1.15	0	<2h	Heat state (Following the No.1 test)	



LRS1-40-80

Specification

Type	Number	Setting range(A)	For contactor
LRS1	09301	0.1~0.16	LC1-09~25
	09302	0.16~0.25	LC1-09~25
	09303	0.25~0.4	LC1-09~25
	09304	0.4~0.63	LC1-09~25
	09305	0.63~1	LC1-09~25
	09306	1~1.6	LC1-09~25
	09307	1.6~2.5	LC1-09~25
	09308	2.5~4	LC1-09~25
	09310	4~6	LC1-09~25
	09312	5.5~8	LC1-09~25
	09314	7~10	LC1-09~25
	12316	10~13	LC1-09~25
	16321	13~18	LC1-09~25
	25322	18~25	LC1-09~25
	40353	23~32	LC1-09~25
	40355	30~40	LC1-40, 50, 63
	63357	38~50	LC1-40, 50, 63
	63359	48~57	LC1-40, 50, 63
	63361	57~66	LC1-40, 50, 63
	80363	63~80	LC1-40, 50, 63