

## LRD Series Thermal Relay

### Application

LRD series thermal relay is suitable for using in the circuits rated voltage up to 660V, rated current 93A AC 50/60Hz, for over-current protection of AC motor. The relay has the differential mechanism and temperature compensation and can plug in LC1-ND series AC contactor. The product conforms to IEC60947-4-1 standard.



LRD-25

### Motion characteristic: three-phase balance motion time

No	Times of the setting current	Motion time			Start condition	Ambient temperature 20±5℃
1	1.05	>2h			Cold state	
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)	



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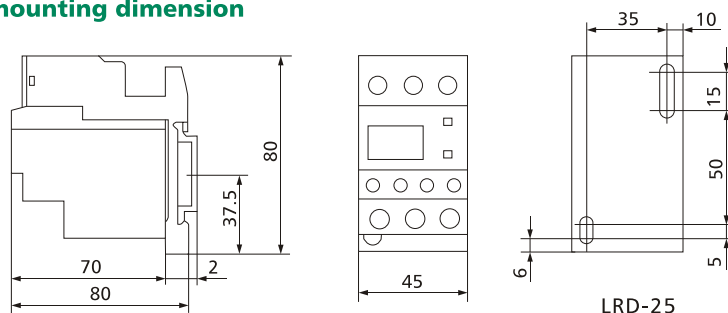
### Specification

Type	Number	Setting range(A)	For contactor
LRD-25	1301	0.1~0.16	LC1-ND09~38
	1302	0.16~0.25	LC1-ND09~38
	1303	0.25~0.4	LC1-ND09~38
	1304	0.4~0.63	LC1-ND09~38
	1305	0.63~1	LC1-ND09~38
	1306	1~1.6	LC1-ND09~38
	1307	1.6~2.5	LC1-ND09~38
	1308	2.5~4	LC1-ND09~38
	1310	4~6	LC1-ND09~38
	1312	5.5~8	LC1-ND09~38
	1314	7~10	LC1-ND09~38
	1316	9~13	LC1-ND09~38
	1321	12~18	LC1-ND09~38
	1322	17~25	LC1-ND09~38
LRD-36	2353	23~32	LC1-ND25~32
	2355	30~40	LC1-ND25~32
LRD-93	3322	17~25	LC1-ND40~95
	3353	23~32	LC1-ND40~95
	3355	30~40	LC1-ND40~95
	3357	37~50	LC1-ND50~95
	3359	48~65	LC1-ND50~95
	3361	55~70	LC1-ND65~95
	3363	63~80	LC1-ND65~95
	3365	80~93	LC1-ND95



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### Outline and mounting dimension



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