

1. Application

JRS1 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.

2. 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	205°C
2	1.2	<2h		Heat state(Following the No.1 test)	
3	1.5	<4min			
4	7.2	10A 10	2s < Tp≤10s ≤63A 4s < Tp≤10s >63A	Cold state	

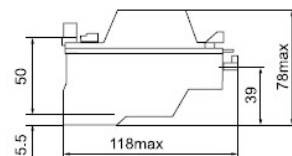
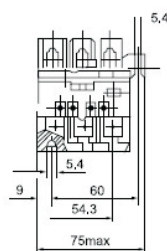
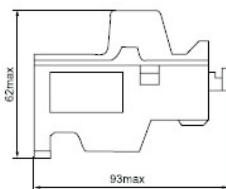
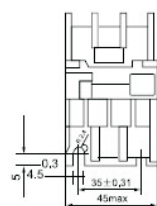
3. Phase-losing Motion Characteristic

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	205°C
2	1.15	0	<2h	Heat state(Following the No.1 test)	

4. Specification

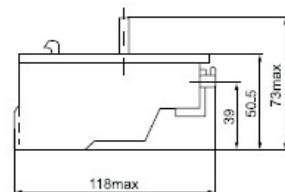
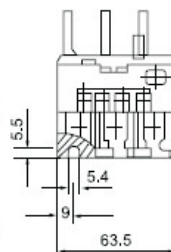
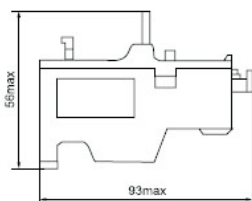
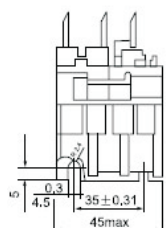
Type	Number	Setting range (A)	For contactor
JRS1	09301	0.1~0.16	CJX2-D09
	09302	0.16~0.25	CJX2-D09
	09303	0.25~0.4	CJX2-D09
	09304	0.4~0.63	CJX2-D09
	09305	0.63~1	CJX2-D09
	09306	1~1.6	CJX2-D09
	09307	1.6~2.5	CJX2-D09
	09308	2.5~4	CJX2-D09
	09310	4~6	CJX2-D09
	09312	5.5~8	CJX2-D09
	09314	7~10	CJX2-D12
	12316	10~13	CJX2-D18
	16321	13~18	CJX2-D18
	25322	18~25	CJX2-D25
	40353	23~32	CJX2-D32
	40355	30~40	CJX2-D40
	63357	38~50	CJX2-D50
	63359	48~57	CJX2-D65
	63361	57~66	CJX2-D80
	80363	63~80	CJX2-D80

5. Outline and Mounting Dimension



JRS1-09-25 F type

JRS1-40-80 F type



JRS1-09-25 Z type

JRS1-40-80 Z type