



1. Application

JRS5 thermal relay is suitable for overload protection of AC motor operated on 8-hours duty or uninterrupted duty. The overload protected AC motor with frequency 50Hz, voltage up to 660V, current up to 105A. Several functions provided by these relays are: phase-failure protection, temperature compensation, ON/OFF indication and manual/automatic reset. 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	20±5°C
2	1.2	<2h			Heat state	
3	1.5	<4min			(Following the No.1 test)	
4	7.2	10A	2s < Tp ≤ 10s	≤ 63A	Cold state	
		10	4s < Tp ≤ 10s	> 63A		

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	20±5°C
2	1.15	0	<2h	Heat state (Following the No.1 test)	

4. Specification

Type	Setting range(A)	For contactor
JRS5-12/Z	0.2~0.28	S-K10 S-K11 S-K12 S-K18 S-K20 S-K21
	0.4~0.6	
	0.55~0.85	
	0.7~1.1	
	1~1.6	
	1.4~2	
	1.7~2.5	
	2~3	
	2.8~4.4	
	4~6	
	5.2~8	
	7~11	
	9~13	
JRS5-20/F	0.2~0.28	S-K18 S-K20 S-K21 S-K25 S-K35
	0.28~0.42	
	0.4~0.6	
	0.55~0.85	
	0.7~1.1	
	1~1.6	
	1.4~2	
	1.7~2.5	
JRS5-20/F	2~3	S-K18 S-K20 S-K21 S-K25 S-K35
	2.8~4.4	
	4~6	
	5.2~8	
	7~11	
	9~13	
	12~18	
	16~22	
	18~26	
	24~34	
JRS5-60/F	30~40	S-K50 S-K65 S-K80 S-K95
	12~18	
	16~22	
	18~26	
	24~34	
	30~40	
	34~50	
	43~65	
	54~80	
	65~93	
	85~105	

