

## JR-SS Electronic Overload Relay

### Application

JR-SS electronic overload relay is suitable for AC 50/60Hz, voltage up to 600VAC and current up to 60A. It is used as overload and phase loss protection, independently adjustable starting and trip delay, visual current setting aid and trip indication, fail safe protection (N type) and electronic shear pin function. The product conforms to IEC60947-1 standard.



JR-SS

### Specification

Type	JR-SS		
Current range	05) 0.5 - 5A (scale 6.5A)		
	30) 3 - 30A (scale 35A)		
	60) 5 - 60A (scale 70A)		
Rated voltage	600VAC, 50/60Hz		
Operating setting	D-TIME	0.2 -30 seconds	
	O-TIME	0.2 -10 seconds	
Accuracy	Current	± 10%	
	Time	± 15% of max. time set value	
Time characteristics	Definite time		
Control voltage	220) Voltage free(90 ~ 260)VAC, 50/60Hz		
	440) Voltage free(320 ~ 480)VAC, 50/60Hz		
	Other voltage optional.		
Current sensing	2 CTs		
Output contacts	Contacts	SPDT 3A/250VAC Resistive	
	Condition	N Type	Normally energized : 95 — — 98closed
		R Type	Normally De-energized : 95 — /— 98closed
Reset	Manual or remote electrical by interrupting supply		
Environment	Temp. Run	Run	-20 + 70 deg. °C
		Store	-30 + 80 deg. °C
	Humidity	45 ~ 85% RH, non-condensing	
Insulation	Between casing and circuits : Over 10MΩ with DC 500V megger		
Dielectric strength	1)Between casing & circuits :AC 2000V, 60Hz, 1min		
	2)Between contacts :AC 1000V, 60Hz, 1min		
	3)Between circuits : AC 2000V, 60Hz, 1min		
power consumption	Under 2W		
Mounting	35mm Din Rail(D)		

The run-up current of motor (starting current) does relay trip because overcurrent protection of JR-SS is not applied during during motor run-up time.

### Outline and Mounting Dimension

