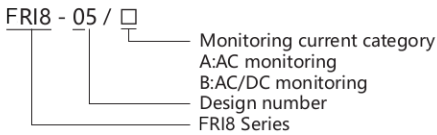


# CURRENT MONITORING RELAY(STRAIGHT-THROUGH)

## CONTROL RELAY

### MODEL DESCRIPTION



### APPLICATIONS

- Serves for monitoring of heating in rail-switches, heating cables, consumption of one-phase motors, indicates current flow.

### FEATURE

- Through center design, no need to disconnect the current circuit, through center installation is convenient to use.
- Over / under current monitoring mode can be set by jumper.
- With AC and DC universal testing specifications optional.
- Isolation current transformer is adopted, and external current transformer can be connected to expand the monitoring current range.
- Universal supply AC/DC 24 - 240 V.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.



### TECHNICAL PARAMETERS

Electrical features	FRI8-05A	FRI8-05B
Function	AC measurement	AC/DC measurement
Supply terminals	A1-A2	
Rated supply voltage	AC/DC 24V-240V	
Rated supply frequency	50/60Hz	
Burden	max 25VA	
Supply voltage tolerance	-15%;+10%	
Current range	2A-20A	2A-20A
Current frequency	AC 50Hz	AC 50Hz ,DC
Setting accuracy	potentiometer	
Supply indication	green LED	
Setting accuracy	10 %	
Hysteresis	5 %	
Output	1×SPDT	
Current rating	10A/AC1	
Switching voltage	250VAC/24VDC	
Min.breaking capacity DC	500mW	
Output indication	red LED	
Mechanical life	1×10 <sup>7</sup>	
Electrical life(AC1)	1×10 <sup>5</sup>	
Operating temperature	-20°C +55°C	
Storage temperature	-35°C +75°C	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP20 terminals	
Operating position	any	
Overvoltage category	III .	
Pollution degree	2	
Max.cable size(mm <sup>2</sup> )	1×2.5or 2×1.5 0.4N·m	
Dimensions	90×18×64mm	
Weight	64g	
Standards	EN 60255-1	

### Wiring Diagram

