

Monitoring current relay PRI-32

1M



- current transformer is a part of the product. Inside this transformer there is a wire which senses the volume of flowing current
- this construction decreases temperature when compared with conventional solutions with inbuilt shunt, and increases current range up to 20 Amps, and galvanically separates monitored circuit
- for heating bars in sliding rails, heating cables, indication of current flow, controlling of 1-phase motor consumption ...
- universal supply AC 24 - 240 V and DC 24 V
- supply is galvanic separated from measuring current
- current exceeding – current flowing through monitored wire must not exceed 100 A
- output contact: 1x changeover 8 A
- clamp terminals
- 1-phase, 1-MODULE, DIN rail mounting

Technical parameters

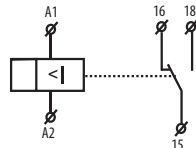
PRI-32

Supply circuit	
Supply terminals:	A1 - A2
Supply voltage:	AC 24 - 240 V, DC 24 V (AC 50 - 60 Hz)
Consumption:	max. 1.5 VA
Supply voltage tolerance:	-15 %; +10 %
Measuring circuit	
Current range:	1 - 20 A
Current adjustment:	potentiometer
Accuracy	
Setting accuracy (mechanical):	5 %
Repeat accuracy:	<1 %
Temperature dependancy:	< 0.1 % / C
Limit values tolerance:	5%
Overload capacity:	max.100 A / 10 s
Output	
Number of contacts:	1x changeover (AgNi)
Rated current:	8 A / AC1
Breaking capacity:	2500 VA / AC1, 240 W / DC
Output indication:	red LED
Other information	
Operating temperature:	-20.. +55 °C
Storage temperature:	-30.. +70 °C
Electrical strength:	4 kV (supply - output)
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP 40 from front panel
Overvoltage category:	III.
Pollution degree:	2
Max. cable size (mm ²):	solid wire max. 2x2.5 or 1x4, with sleeve max. 1x2.5 or 2x1.5
Dimensions:	90x17.6x 64 mm, see page 157-159
Weight:	68 g
Standards:	EN 60255-6, EN 61010-1

Function description

Monitoring relay PRI-32 serves to monitor current level in single phase AC circuits. Due to its fluent adjustment of release current, it is predestined for applications with necessity of current flow indication, and can be used as precedence relay. Output relay is off in normal state. In case the set current level is exceeded, it switches. Multivoltage supply is an advantage.

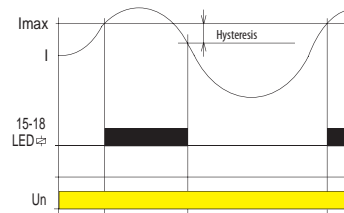
Symbol



Connection



Function



Description

