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EPP-619

ELECTRONIC CURRENT RELAY



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F&F products are covered by an 24 months warranty from date of purchase

PURPOSE

Current relay is used to control the value of the current in the circuit measured with switch contacts function in the case of the value of current above the set threshold values.

FUNCTIONING

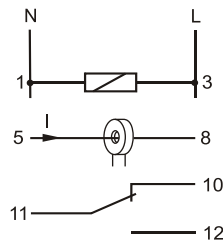
Activation of relay is signaling by shining of the green LED "U". By potentiometer is set the activation value of current. If set value of current is below of set threshold, then the joint is open (position 11-10). If set value of current exceeds of set threshold, then the joint is close (position 11-12) with set the time delay "t". Exceeds of set threshold is signaling by shining of red LED I<. Decrease of current value below of set threshold will automatically open joint (position 11-10).

TECHNICAL DATA

Relay:
supply 230VAC
joints 1P
current <16A
current of measured circuit limited
switch current - adjustable by cross-section of cable 0,6÷16A
return hysteresis 10%
delay activation - adjustable 0,5s+10sec
delay of return 0,5sec
power consumption 0,4W
working temperature -25÷50°C
connection screw terminals 2,5mm²
dimensions 1 module (18 mm)
fixing on rail TH-35

Feed-through:
diameter Ø4
insulation glass silk with rubber
insulation resistance 1GΩ
insulation voltage 4,3kV
working temperature 180°C, class H

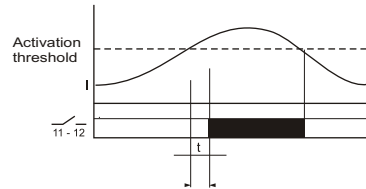
DIAGRAM



ASSEMBLY

1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Supply of relay connect to joint 1-3 accordance with marks.
4. Cable of measured circuit put by the channel route of relay.
5. Circuit supply of controlled receiver connect in line to joint of relay (joints 11-12).
6. On the current scale of the relay set activation threshold and time delay of activation.

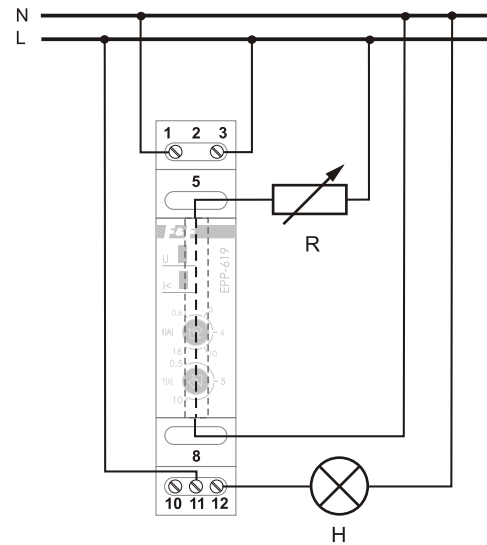
DIAGRAM



ATTENTION!

Current of receiver may be greater than 16A. Is only limited by cross-section of cable.

An example of the signaling system exceeded the set value of current



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