

Features

- Relay is designated for:
 - distant device diagnostic (short circuit, take-off increasing)
 - preferred (priority) relay - two appliances (boiler and floor heating) operating on one phase, but never run together
 - prevention against current overload and circuit breaker tripping. Enables to save your main breaker expenses
 - current transit indicator informs about heating activation, ceramic hob, ventilator...
 - changing over of appliances according to inverter's (converter) output by photocell applications
- Hole for threaded conductor passes through the body of device.
- Part of device is current transformer, which is sensing size of current in threaded conductor.
- Slight setting (by potentiometer) of tripping current - range AC 0.5 to 25 A.

RS PRO Monitoring Relay

766922



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product description

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Supply

Supply terminals:	A1-A2
Voltage range:	AC 230 V (50-60 Hz)
Power input (apparent/loss):	max. 5 VA/1.4 W
Max. dissipated power:	2.5 W (Un + terminals)
Supply voltage tolerance:	-15 %; +10 %

Measuring circuit

Current range:	AC 0.5 to 25 A (AC 50-60 Hz)
Maximal permanent current:	25 A
Inrush overload < 1s:	50 A
Current adjustment:	potentiometer
Time delay:	adjustable 0.5 to 10 s

Accuracy

Setting accuracy (mech.):	10 %
Repeat accuracy:	< 1 %
Temperature dependance:	< 0.2 %/°C (°F)
Limit values tolerance:	10 %
Hysteresis:	0.25 A

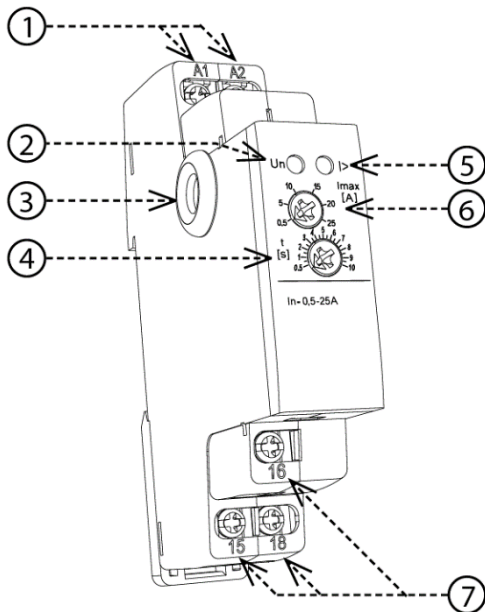
Output

Number of contacts:	1x changeover/SPDT (AgNi/Silver Alloy)
Current rating:	8 A/AC1; PD. B300
Breaking capacity:	2000 VA/AC1, 240 W/DC
Output indication:	red LED
Mechanical life:	60.000.000 ops.
Electrical life (AC1):	150.000 ops.

Other information

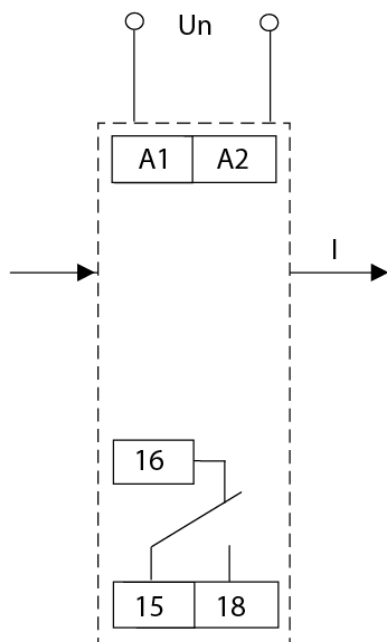
Operating temperature:	-20 .. 55 °C (-4 .. 131 °F)
Storage temperature:	-30 .. 70 °C (-22 .. 158 °F)
Dielectrical strengh:	AC 4 kV (supply – output)
Operating position:	any
Mounting:	Din rail EN 60715
Protection degree:	IP40 from front panel/IP10 terminals
Overvoltage category:	III.
Pollution degree:	2
Max. cable size (mm²):	max. 2x 2.5, max. 1x 4/with sleeve max. 1x 2.5, max. 2x 1.5 (AWG 12)
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")
Weight:	65 g (2.3 oz.)
Standards:	EN 60255-1, EN 60255-26, EN 60255-27

Description

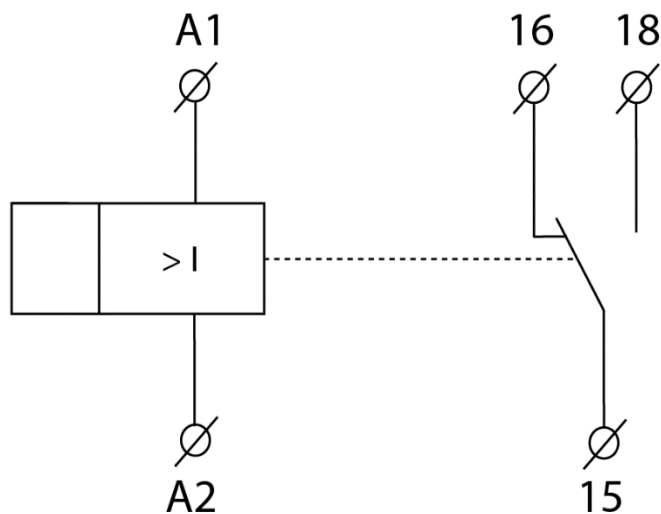


1. Supply voltage terminals
2. Supply voltage indication
3. Hole for threaded conductor (max. Ø 5.8 mm)
4. Adjusting of time - delay delay of output reaction to overrun of preset current
5. Output indication
6. Adjusting of current in A - it's overrun is indicated by closing of the relay and by red LED diode shine
7. Output contact

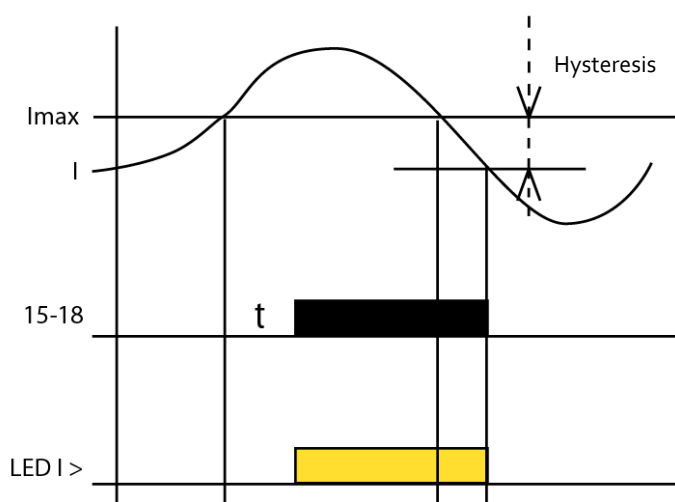
Connection



Symbol



Function



Monitoring relay PRI-52 serves for monitoring of current level in 1-phase AC circuits. Slight setting of release current level designates this relay for many various applications. Output relay is in normal status switched off. When set current level is overrun, relay get closed after preset delay. By return from error to normal status is used hysteresis.

Advantage of PRI-52 is that the hole for threaded conductor is located under the level of covering in the switchboard - thanks to that, threaded conductor is not accessible for unwanted manipulation.