

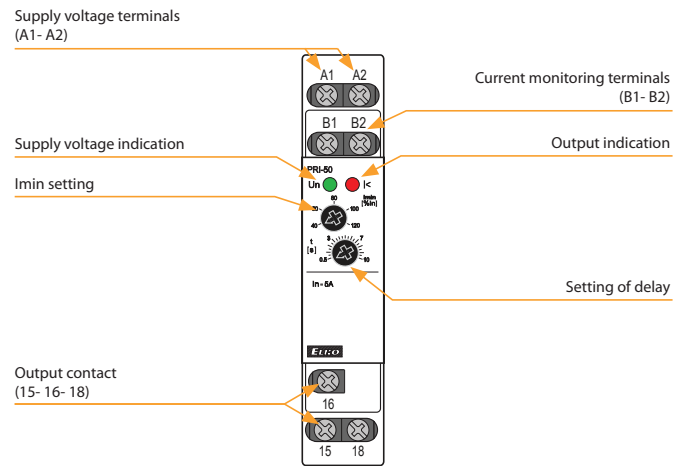


EAN code
PRI-50: 8595188142083

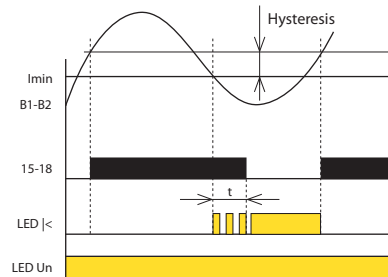
Technical parameters		PRI-50
Supply		
Supply terminals:	A1 - A2	
Voltage range:	AC/DC 24 - 240 V (AC 45/65 Hz)	
Burden:	max. 3 VA/1.2 W	
Max. dissipated power (Un + terminals):	2 W	
Supply voltage tolerance:	±10 %	
Measuring circuit		
Load:	between B1 - B2	
Current range:	AC 2 - 6 A	
Max. permanent current:	10 A	
Inrush overload < 3 s:	50 A	
Current adjustment:	potentiometer	
Time delay:	adjustable, 0.5 - 10 s	
Accuracy		
Setting accuracy (mechanical):	5 %	
Limit values tolerance:	2.5 %	
Hysteresis (fault to OK):	1 %	
Output		
Number of contacts:	1x changeover/SPDT (AgNi/Silver Alloy)	
Current rating:	8 A/AC1	
Breaking capacity:	2000 VA/AC1, 240 W/DC	
Output indication:	red LED	
Other information		
Operating temperature:	-20 °C to 55 °C (-4 °F to 131 °F)	
Storage temperature:	-30 °C to 70 °C (-22 °F to 158 °F)	
Dielectrical strength:	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 (mm ²):	solid wire max. 2x 2.5 or 1x 4/ with sleeve max. 1x 2.5 or 2x 1.5 (AWG 12)	
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")	
Weight:	70 g (2.5 oz.)	
Standards:	EN 60255-1, EN 60255-26, EN 6255-27	

- It is used, for example, to monitor the operation of pumps, interruptions of radiators or lighting.
- Continuous setting of tripping current by potentiometer from 2 to 6 A AC.
- Monitors the decrease in current magnitude below the level of Imin.
- Adjustable delay 0.5 - 10 s (eliminate short current peaks, on of short...).
- Possible to use for scanning of current from current transformer.
- Power supply galvanically separated from the monitored current circuit.

Description



Function



When the supply voltage is connected, the green LED lights up. If the magnitude of the monitored current is higher than the set level Imin, the relay is closed and the red LED is not lit. If the magnitude of the monitored current falls below the Imin level, the relay opens after the set delay has elapsed and the red LED lights up. The red LED flashes during the delay. If the magnitude of the monitored current returns above the level of Imin + hysteresis, the relay closes without delay and the red LED goes out.

Connection

Example Connection:
PRI-50 with current transformer for current range increase.

