

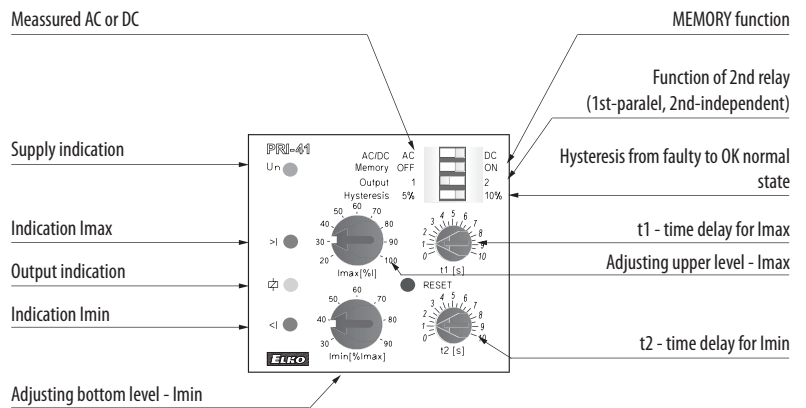


EAN code
 PRI-41 / 230V: 8595188140485
 PRI-41 / 24V: 8595188140492
 PRI-42 / 230V: 8595188140515
 PRI-42 / 24V: 8595188140522

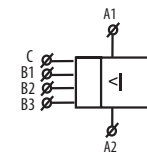
- To monitor overloading / discharge (machine, motor...), load sensing, diagnostics of remote device (interruption, short circuit, current consumption increase...)
- Monitors AC/DC 1-phase current in 3 ranges
- Monitoring adjusted current in 2 independent levels
- PRI-41: "HYSTERESIS" function and PRI-42: "WINDOW" function
- function of 2nd relay (independent/parallel):
 - "MEMORY" function - manual reset.
 - "RESET" button on the frontal panel
- Adjustable time delay for each level
- Galvanically separated supply
- Output contact: 1x changeover/ SPDT 16 A / 250 V AC1 for each current level
- 3-MODULE, DIN rail mounting

Technical parameters	PRI-41	PRI-42	
Supply circuit			
Supply terminals:	A1 - A2		
Voltage range:	AC 230 V or AC / DC 24 V (AC 50 - 60 Hz)		
Burden:	max. 4.5 VA		
Operating range:	-15 %; +10 %		
Measuring circuit			
Ranges:	4 - 16 A (AC50Hz)	1.25 - 5 A (AC50Hz)	0.4 - 1.6 A (AC50Hz)
Terminals:	C - B1	C - B2	C - B3
Input resistance:	5 mΩ	11 mΩ	50 mΩ
Max. permanent current:	16 A	5 A	1.6 A
Inrush overload <1ms:	20 A	6.3 A	2 A
Time delay for Imax:	adjustable 0-10 sec		
Time delay for Imin:	adjustable 0-10 sec		
Accuracy			
Measuring accuracy:	5 %		
Repeat accuracy:	<1 %		
Temperature dependency:	< 0.1 % / °C		
Limit values tolerance:	5 %		
Hysteresis (fault to OK):	selectable 5 % / 10 %		
Output			
Number of contacts:	changeover/ SPDT (AgNi / Silver Alloy)		
Current rating:	16 A / AC1		
Breaking capacity:	4000 VA / AC1, 384 W / DC		
Inrush current:	30 A / < 3 s		
Switching voltage:	250 V AC1 / 24 V DC		
Min. breaking capacity DC:	500 mW		
Output indication:	yellow LED		
Mechanical life:	3x10 ⁷		
Electrical life (AC1):	0.7x10 ⁹		
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)		
Electrical strength:	4 kV (supply - output)		
Operating position:	any		
Mounting:	DIN rail EN 60715		
Protection degree:	IP 40 from front panel / IP20 terminals		
Overvoltage category:	III.		
Pollution degree:	2		
Max. cable size (mm ²):	solid wire max. 1x 2.5 or 2x1.5/ with sleeve max. 1x1.5 (AWG 12)		
Dimensions:	90 x 52 x 65 mm (3.5" x 2" x 2.6")		
Weight:	239 g (8.4 oz.)		
Standards:	EN 60255-6, EN 61010-1		

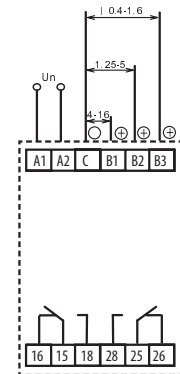
Description



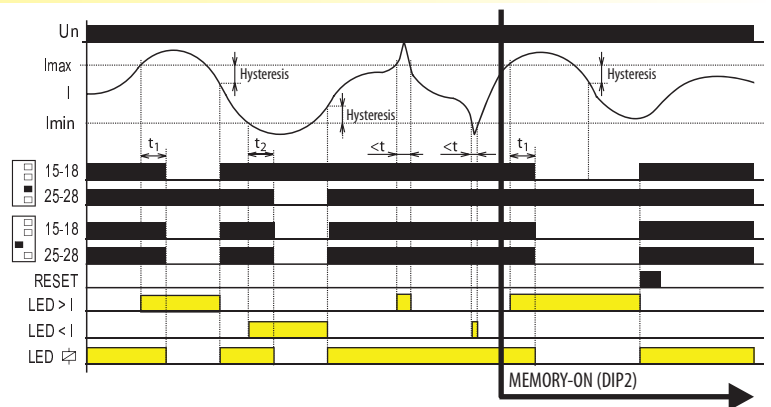
Symbol



Connection



Function



Relay is delivered in two versions - according to setting and level monitoring .

PRI-41 has function hysteresis, which means that you set only upper level (Imax) and lower level is set in % from upper level. Therefore when upper level is changed, lower level changes automatically. PRI-42 has function "WINDOW", which means that you set upper level (Imax) and lower level (Imin) individually in % of rated monitored range.

Both types have selectable function MEMORY. In case the relay gets to faulty state, this function leaves relay in this state until it is reset by RESET button. DIP switch No. 3 can be used to choose if output relay should switch for each level separately, or in parallel in case any current level is exceeded. DIP switch No. 4 serves to set hysteresis which applies when changing from faulty to normal state. Relay is protected against re-polarizing of DC current, or wrong AC/DC current (this fault is indicated by LED <I> LED >I common flashing).