PC1R Micro

VE788800



Electronic device for controlling the consumption of a single load to prevent tripping of the main circuit breaker due to overload. The device automatically disconnects the load when the total power consumption exceeds the programmed intervention threshold, thus ensuring service continuity. 230 Vac power supply, DIN-rail installation (1 module), with 1 relay.

General features

- Terminal blocks for load connection
- Trimmer for threshold setting
- Trimmer for load disconnection delay setting (Ton)
- Trimmer for delay setting before next load insertion (Toff)
- Terminal blocks for voltage and current inputs
- Signal LEDs
  - green for power supply presence
  - red for exceeded threshold indication
- Toroidal current transformer
- Direct current supply up to 65 A via the current transformer supplied
- 1 normally open relay 16 A / 250 Vac
- Intervention threshold (setpoint) settable between 1 and 8 kW
- Load release and re-engagement delays adjustable from 30 s to 15 min
- Alarm condition (exceeding threshold) signalled by red LED

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Parameter settings	
Power setting range	1 ÷ 8 kW
Switching delay	30 ÷ 900 seconds
Measure	
Maximum measurable current	65 A
Type of insertion - current	Via external CT
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	10% ÷ 90% non-condensing RH

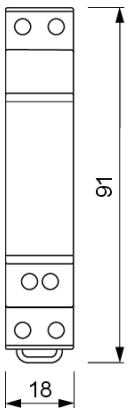
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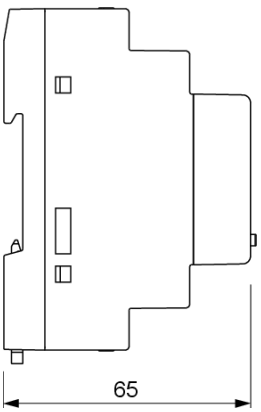
Operating conditions	
Storage temperature range	-25 ÷ 70 °C
Insulation class	II
Outputs	
Relay number	1
Relay type	Normally open
Relay capacity at 250 Vac	16 A
Terminations	
Maximum cable cross-section	4 mm²
Mechanical features	
Protection degree	IP20 IP40 (on the front)
Overall dimensions	
Height (A)	91 mm
Width (B)	18 mm
Depth (C)	65 mm

Dimensions

Front View

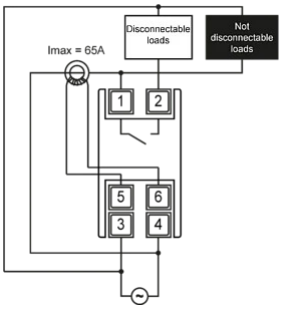


Side View



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Wiring diagram



Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 61010-1 • EN IEC 61000-6-2 • EN IEC 61000-6-3 • EN IEC 63000

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