PC3R

VE467700



Electronic device for controlling up to 3 loads to prevent tripping of the main circuit breaker due to overload. The device automatically disconnects one or more non-priority loads when the total power consumption exceeds the programmed intervention threshold, thus ensuring service continuity. 230 Vac power supply, DIN-rail installation (4 modules), with 3 relays.

General features

- Backlit display for viewing operating parameters
- Red LED for threshold overrun indication
- Keys for device programming
- Segments for load status indication
  - steady ON = connected
  - flashing = disconnected
- Terminal blocks for voltage and current inputs
- Terminal blocks for load connection
- Three monostable relays with 16 A / 250 Vac changeover contacts; direct/reverse operating logic adjustable via menu
- Relay priority adjustable via menu
- Intervention threshold (setpoint) settable between 1 and 10 kW
- Load release (delay OFF) and re-engagement (delay ON) adjustable from 10 to 999 seconds

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Parameter settings	
Power setting range	1 ÷ 10 kW
Differential/Hysteresis	0 ÷ 1 kW
Switching delay	10 ÷ 999 seconds
Measure	
Maximum measurable current	32 A
Type of insertion - current	Direct
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	10% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C

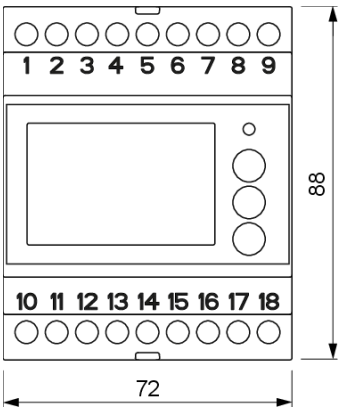
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Revision date: 2026-02-02

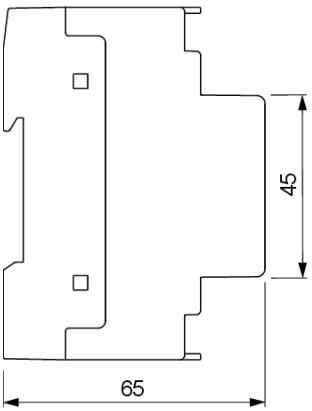
Operating conditions	
Insulation class	II
Viewing	
Display	Backlit LCD
Outputs	
Relay number	3
Relay type	Heat exchange
Relay capacity at 250 Vac	16 A
Terminations	
Maximum cable cross-section	6 mm²
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	88 mm
Width (B)	72 mm
Depth (C)	65 mm

Dimensions

Front View

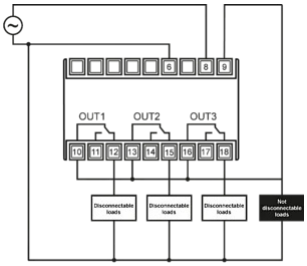


Side View



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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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