PSR400

VP807200



Relay that detects the exact phase sequence in three-phase systems and the voltage imbalance caused by the decrease or absence of a phase. This device is used in all cases where it is essential to observe the phase sequence during connection or to prevent high fluctuations in the mains supply voltage. Two-module 400 Vac power supply, DIN-rail installation, with 1 relay.

General features

- The output relay is energised with a 2 s delay only if all three phases are present and their sequence matches the input terminal marking
- Output relay de-energizes if phase sequence is altered, a phase is missing, or voltage imbalance falls below the set asymmetry threshold
- Relay sensitivity is adjustable between 70% and 95% of the nominal value
- The reset, which occurs with hysteresis, is automatic upon return to normal power conditions or upon removal of the sequence error
- Insulation: galvanically isolated power and load circuits with double insulation

Technical specifications

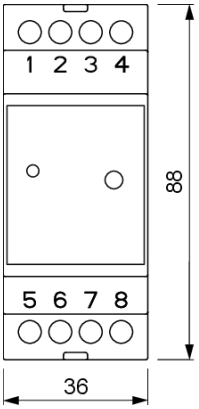
Power supply	
Power supply	400 Vac (-20% ÷ +10%)
Frequency	50 Hz
Absorption	4 (3) VA (W)
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	20% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Outputs	
Relay number	1
Relay capacity at 250 Vac	8 A
Terminations	
Termination type	Terminal blocks
Maximum cable cross-section	6 mm²
Overall dimensions	
Height (A)	88 mm
Width (B)	36 mm
Depth (C)	65 mm

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

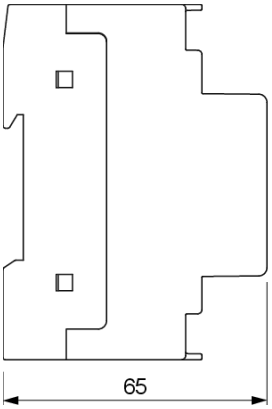
Revision date: 2026-02-02

Dimensions

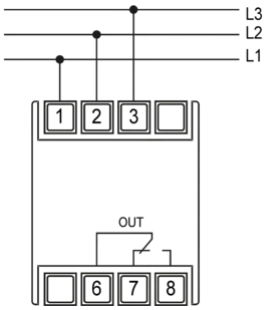
Front View



Side View



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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