



## Main

Commercial Status	Commercialised
Range of product	EOCR
Device short name	EVR-PD
Product or component type	Protection relay
Protection type	Phase unbalance, 5...30 % Undervoltage, $V_m < UVR$ setting Overvoltage, $V_m > OVR$ setting Sensitivity to phase reverse Sensitivity to phase loss
Product specific application	Voltage protection
Network type	AC
Network frequency	60 Hz
Voltage protection	380...480 V 300...440 V
Tripping threshold	300...440 V AC - undervoltage 380...480 V AC - overvoltage

## Complementary

[Us] rated supply voltage	85...250 V AC/DC
Mounting support	Panel 35 mm DIN rail
Contacts type and composition	1 C/O (OL)
Short-circuit and overld prot	By 4 A gG fuse
[Ue] rated operational voltage	Power circuit: 480 V AC 60 Hz IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-4-1
Reset	Automatic reset 1...10 s Electrical < 1 s by interruption of power supply Manual reset
Time delay type	UV-Time: 0.2...10 s OV-Time: 0.2...10 s
Display type	7 segments LED
Power consumption per relay	< 3 W
Connections - terminals	Control circuit: 2 cable 1...2.5 mm <sup>2</sup> - flexible - with cable end - M3.5 Control circuit: 2 cable 1...2.5 mm <sup>2</sup> - flexible - without cable end - M3.5 Control circuit: 2 lug-clamp 1...2.5 mm <sup>2</sup> - flexible - without cable end - M3.5
Tightening torque	1.7 N.m for control circuit - lug-clamp, cable - 7 mm head
Height	79.3 mm
Width	50 mm
Depth	106.5 mm
Product weight	0.274 kg

## Environment

Standards	IEC 60947-4-1
IP degree of protection	IP20 IEC 60529
Ambient air temperature for operation	-20...60 °C IEC 60947-4-1
Ambient air temperature for storage	-30...80 °C
Operating altitude	2000 m
Fire resistance	960 °C UL 94 650 °C IEC 60695-2-12

Shock resistance	15 gn for 11 ms IEC 60068-2-7
Vibration resistance	2 gn on 35 mm DIN rail IEC 60068-2-6 4 gn on panel mounting IEC 60068-2-6
Dielectric strength	2 kV at 50...60 Hz in between circuit IEC 60255-5 1 kV at 50...60 Hz in between contact IEC 60255-5 2 kV at 50...60 Hz in between case and circuit IEC 60255-5
Surge withstand	6 kV IEC 61000-4-5
Electromagnetic compatibility	Conducted RF disturbances class A EN 55011 Conducted RF disturbances 10 V EN 61000-4-6 Resistance to fast transient 2 kV IEC 61000-4-4 Resistance to radiated electromagnetic fields 10 V/m level 3 IEC 61000-4-3 Resistance to electrostatic discharge 8 kV air, 6 kV contact IEC 61000-4-2
[I <sub>th</sub> ] conventional free air thermal current	5 A, control circuit
Permissible current	250 V, 5 A

### Contractual warranty

Period	18 months
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