Product data sheet
Characteristics

PMR-440N7
phase monitoring relay - 340..480 V - 440 V AC



Commercial status
End of Commercialisation : NOV 21, 2023

⚠ End of Commercialisation

Main

Range of product	EOCR
Device short name	PMR
Product or component type	Phase monitoring relay
Protection type	Sensitivity to phase loss Sensitivity to phase reverse Phase unbalance, 2...15 %
Network type	AC
Network frequency	50...60 Hz
Tripping threshold	340...480 V AC

Complementary

[Us] rated supply voltage	440 V AC
Mounting support	35 mm DIN rail Panel
Contacts type and composition	1 C/O (PL)
Short-circuit and overload protection	By 4 A gG fuse
[Ue] rated operational voltage	480 V AC 50...60 Hz for power circuit conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-4-1
Reset	Manual reset Electrical 0…1 s by interruption of power supply
Display type	2 LEDs
Power consumption in W	2 W
Connections - terminals	Control circuit: lug-clamp 2 x 1…2.5 mm²flexible without cable end - M3.5 Control circuit: cable 2 x 1…2.5 mm²flexible without cable end - M3.5 Control circuit: cable 2 x 1…2.5 mm²flexible with cable end - M3.5
Tightening torque	Control circuit: 1.7 N.m on lug-clamp, cable, 7 mm
Height	79.3 Mm
Width	50 Mm
Depth	106.5 Mm
Net weight	0.21 Kg

Environment

Standards	IEC 60947-4-1
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20…60 °C conforming to IEC 60947-4-1
Ambient air temperature for storage	-30…80 °C
Operating altitude	2000 m

Fire resistance	650 °C conforming to IEC 60695-2-12 960 °C conforming to UL 94
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-7
Vibration resistance	4 gn on panel mounting conforming to IEC 60068-2-6 2 gn on 35 mm DIN rail conforming to IEC 60068-2-6
Dielectric strength	2 KV 50...60 Hz in between case and circuit conforming to IEC 60255-5 1 KV 50...60 Hz in between contact conforming to IEC 60255-5 2 KV 50...60 Hz in between circuit conforming to IEC 60255-5
Surge withstand	6 KV conforming to IEC 61000-4-5
Electromagnetic compatibility	Resistance to radiated electromagnetic fields: 10 V/m level 3 conforming to IEC 61000-4-3 Resistance to electrostatic discharge: 8 kV air, 6 kV contact conforming to IEC 61000-4-2 Resistance to fast transient: 2 kV conforming to IEC 61000-4-4 Conducted RF disturbances: 10 V conforming to EN 61000-4-6 Conducted RF disturbances: class A conforming to EN 55011
[Ith] conventional free air thermal current	5 A for control circuit
Permissible current	250 V, 5 A

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.6 Cm
Package 1 Width	5.9 Cm
Package 1 Length	11.4 Cm
Package 1 Weight	220.0 G

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
SCIP Number	D5a17874-1166-4927-b008-33d15e304a41
EU RoHS Directive	Compliant By Exemption
PVC free	Yes
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. - Block