

# product data sheet

specification



## Reverse/Phase Relay - 340... 480V - 440V AC

PMR-440N7

### Basic item

range of products	EOCR
model name	PMR
Product or component type	Reverse/Phase Relay
protection type	phase phase negative phase imbalance, 2...15 %
network type	AC
network frequency	50...60Hz
trip range	340...480 V AC

### Electrical/Mechanical Characteristics

<b>[Us]</b> rated input voltage	440V AC
Mounting method	35 mm DIN rail panel
Contact type and composition	1 C/O PL)
??, ??? ??	By 4 A gG Fuse
<b>[Ue]</b> rated operating voltage	480 V AC 50...60 Hz power circuit conforming to IEC 60947-4-1
<b>[Uimp]</b> rated impulse withstand voltage	6 kV conforming to IEC 60947-4-1
comeback	Manual reset electrical 0... 1 s electrical
Display method	2 LEDs
<b>Power consumption per relay</b>	2W
final	Control circuit lug-clamp 2 x 1... 2.5 mm <sup>2</sup> without flexible cable end - M3.5 control circuit cable 2 x 1... 2.5 mm <sup>2</sup> without flexible cable end - M3.5 control circuit cable 2 x 1... 2.5 mm <sup>2</sup> with flexible cable end - M3.5
<b>Tightening torque</b>	Control circuit 1.7 Nm above, during lug-clamp, cable, 7 mm
height	79.3 mm
width	50 mm
depth	106.5 mm
product weight	0.21kg

### environment

standard	IEC 60947-4-1
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<b>IP Rating</b>	IP20 conforming to IEC 60529
operating temperature	-20... 60 °C conforming to IEC 60947-4-1
storage temperature	-30... 80 °C
<b>altitude</b>	2000m
fire resistance	650 °C conforming to IEC 60695-2-12 960 °C conforming to UL 94
impact resistance	15 gn 11 ms conforming to IEC 60068-2-7
Vibration resistance	4 gn panel mount conforming to IEC 60068-2-6 2 gn 35 mm rail mount conforming to IEC 60068-2-6
dielectric strength	2 kV 50...60 Hz between enclosure and circuit conforming to IEC 60255-5 1 kV 50...60 Hz between mutual contacts conforming to IEC 60255-5 2 kV 50...60 Hz between internal circuits conforming to IEC 60255 -5
<b>surge</b>	6 kV conforming to IEC 61000-4-5
electromagnetic compatibility	Radio frequency radiation immunity 10 V/m level 3 immunity to electrostatic discharge 8 kV air, 6 kV contact conforming to IEC 61000-4-2 transient voltage 2 kV conforming to IEC 61000-4-4 Radio frequency conducted immunity 10 V conforming to EN 61000-4-6 Radio frequency conducted immunity class A conforming to EN 55011
<b>[Ith] Continuous energization current</b>	5 A control circuit
allowable current	250 V, 5 A

## packaging unit

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	-
<b>Package 1 Weight</b>	220.0g
<b>Package 1 Height</b>	9.6cm
<b>Package 1 Width</b>	5.9cm
<b>Package 1 Length</b>	11.4cm

## Product Sustainability

Sustainability Provided Status	Green Premium product
<b>REACH regulations</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	observance <a href="#">EU RoHS Declaration</a>
no mercury	yes
<b>RoHS exemption information</b>	yes
<b>China RoHS regulations</b>	<a href="#">China RoHS Declaration</a> Products outside the scope of China RoHS. Substance declaration for informational purposes only.
environmental disclosure	<a href="#">Product environmental profile</a>
circularity profile	<a href="#">End of life information</a>
<b>WEEE</b>	This product must be disposed of on the EU market according to specific waste collection procedures and must not be disposed of in trash.
<b>PVC free</b>	yes
<b>contract guarantee</b>	
guarantee	18 months
recommended replacement	