Product datasheet

Specifications

Electronic overcurrent relay, EOCR, 0.5 to 7A, 100-240 V, Overloaded with alarm and panel display meter, Hole type

EOCR3EZ-05AUH

Main

Range of product	EOCR
Device short name	EOCR-3EZ
Product or component type	Protection relay
Protection type	Overload, In > OC setting Underload, In < UC setting Locked rotor for running, In > 1.5...5 times OC setting Sensitivity to phase loss Earth fault, Ig > Ig setting Sensitivity to phase reverse Locked rotor for starting, In > 2...10 times OC setting Phase unbalance, 5...50 %
Product specific application	Overload protection
Network type	AC
Network frequency	50...60 Hz
Relay application	Motor protection
protection ajustment range	0.5…7 A
Tripping threshold	0.03...10 A (definite) - earth fault current

Complementary

[Us] rated supply voltage	100...240 V AC/DC
Mounting support	Base unit: 35 mm DIN rail
Contacts type and composition	1 NC + 1 NO (OL) 1 NO (GR)
Short-circuit and overload protection	By 4 A gG fuse
[Ue] rated operational voltage	690 V AC 50...60 Hz for power circuit conforming to CSA 690 V AC 50...60 Hz for power circuit conforming to IEC 60947-4-1 600 V AC 50...60 Hz for power circuit conforming to UL
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-4-1
Reset	Manual reset Electrical Automatic reset
Time delay type	O-Time: 0.2...120 s (definite) Ed-Time: 0...30 s (definite) E-Time: 0.05, 0.1...10 s (definite)
Display type	Bar graph 7 segments LED
power consumption per relay	5 W
Connections - terminals	Control circuit: cable 2 x 1…1.5 mm²flexible with cable end - M3 Control circuit: cable 2 x 1…1.5 mm²flexible without cable end

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Tightening torque	Control circuit: 0.8...1.2 N.m on cable, 4.7 mm
Height	56 mm
Width	70 mm
Depth	106 mm
Net weight	470 g

Environment

Standards	IEC 60947-4-1
Product certifications	CE
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	-40…85 °C
Operating altitude	2000 m
Fire resistance	650 °C conforming to IEC 60695-2-12
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	3 A for control circuit
Permissible current	100...240 V, 3 A AC/DC

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.6 cm
Package 1 Width	7.0 cm
Package 1 Length	10.6 cm
Package 1 Weight	470 g

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**

Use Again

Repack and remanufacture

Take-back	**No**