Product datasheet

Specifications

Electronic undercurrent relay, EOCR Digital, 0.5 to 6A, 24 to 240VAC/DC, Standard

EUCR-05S

Main

Range of product	EOCR
Device short name	EUCR
Product or component type	Protection relay
Protection type	Underload, In < UC setting
Product specific application	Undercurrent protection
Network type	AC
Network frequency	50...60 Hz
protection ajustment range	0.5…6 A
Tripping threshold	0.5...6 A

Complementary

[Us] rated supply voltage	220 V AC
Mounting support	35 mm DIN rail
Contacts type and composition	1 C/O (OL)
Short-circuit and overload protection	By 4 A gG fuse
[Ue] rated operational voltage	600 V AC 50...60 Hz for power circuit conforming to UL 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
[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
Time delay type	O-Time: 0.2...30 s
Display type	1 LED
power consumption per relay	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	60 mm
Width	54 mm
Depth	65 mm
Net weight	0.155 kg

Environment

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

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	125 V, 5 A

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.9 cm
Package 1 Width	8.2 cm
Package 1 Length	7.9 cm
Package 1 Weight	179.3 g

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins