

Product datasheet

Specifications



Electronic overcurrent relay, EOCR Digital, 0.5 to 6A, 220VAC

EOCRSSD-05S

Main

Range of product	EOCR
Device short name	EOCR-SSD
Product or component type	Protection relay
Protection type	Overload, $I_n > OC$ setting Sensitivity to phase loss Locked rotor for starting, $I_n > 2$ times OC setting
Product specific application	Overcurrent 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 Panel
Contacts type and composition	1 NC + 1 NO (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	D-Time: 1...30 s O-Time: 0.5, 1...10 s
Display type	7 segments LED
power consumption per relay	3 W
Connections - terminals	Control circuit: lug-clamp 2 x 1...2.5 mm ² flexible without cable end - M3.5 Control circuit: cable 2 x 1...2.5 mm ² flexible without cable end - M3.5 Control circuit: cable 2 x 1...2.5 mm ² flexible with cable end - M3.5
Tightening torque	Control circuit: 1.7 N.m on lug-clamp, cable, 7 mm
Height	70 mm
Width	56 mm
Depth	77.2 mm

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net weight	0.255 kg
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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	5.9 cm
Package 1 Width	8.2 cm
Package 1 Length	7.9 cm
Package 1 Weight	196.0 g

Contractual warranty

Warranty	18 months
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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 >](#)

Environmental footprint	
Environmental Disclosure	Product Environmental Profile
Use Better	
Materials and Substances	
EU RoHS Directive	Compliant with Exemptions
REACH Regulation	REACH Declaration
Use Again	
Repack and remanufacture	
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins