Specifications



## electronic overcurrent relay - 0.5..6 A - 220 V AC

EOCRDS3-05S

### Main

Range of product	EOCR	
Device short name	EOCR-3D420	
Product or component type	Protection relay	
Protection type	Overload, In > OC setting Sensitivity to phase loss Sensitivity to phase reverse Locked rotor, In > 3 times OC setting Phase unbalance, 50 %	
Product specific application	Overcurrent protection	
Analogue output range	420 mA	
network type	AC	
Network frequency	5060 Hz	
protection ajustment range	0.510 A	
Tripping threshold	0.56 A	

### Complementary

[Us] rated supply voltage	220 V AC	
Mounting support	35 mm DIN rail Panel	
Contacts type and composition	1 NO + 1 NC (OL)	
Short-circuit and overload protection	By 4 A gG fuse	
[Ue] rated operational voltage	600 V AC 5060 Hz for power circuit conforming to UL 690 V AC 5060 Hz for power circuit conforming to CSA 690 V AC 5060 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 01 s by interruption of power supply	
Time delay type	O-Time: 0.3, 130 s, off (definite) D-Time: 1120 s, off (definite) O-Time: 130 class (inverse) D-Time: 0120 s (inverse)	
Display type	7 segments LED	
power consumption per relay	3 W	
Connections - terminals	Control circuit: cable 2 x 11.5 mm <sup>2</sup> flexible with cable end - M3 Control circuit: cable 2 x 11.5 mm <sup>2</sup> flexible without cable end - M3 Control circuit: cable 1 x 12.5 mm <sup>2</sup> flexible with cable end - M3 Control circuit: cable 1 x 12.5 mm <sup>2</sup> flexible without cable end - M3	
Tightening torque	Control circuit: 0.81.2 N.m on cable, 4.7 mm	

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

Height	71 mm
Width	70 mm
Depth	68 mm
Net weight	0.325 kg

## Environment

Standards	IEC 60947-4-1	
IP degree of protection	IP20 conforming to IEC 60529	
Ambient air temperature for operation	-2060 °C conforming to IEC 60947-4-1	
Ambient air temperature for storage	-3080 °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 5060 Hz in between case and circuit conforming to IEC 60255-5 1 kV 5060 Hz in between contact conforming to IEC 60255-5 2 kV 5060 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 AC	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	6.3 cm
Package 1 Length	5.7 cm
Package 1 Weight	232.5 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  $\geq$ 

#### **Use Better**

Intervals and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	D5a17874-1166-4927-b008-33d15e304a41
REACh Regulation	REACh Declaration
China RoHS Regulation	China RoHS declaration

#### Use Again

$\circlearrowright$ Repack and remanufacture	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No