Product data sheet
Characteristics

EOCRSS-05S
Electronic overcurrent relay, EOCR Digital, 0.5 to 6A, 220VAC



Main

Range of product	EOCR
Device short name	EOCRSS
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
Network type	AC
Network frequency	50...60 Hz
Thermal protection adjustment 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 NO + 1 NC (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: 0.3, 1...30 s, off (definite) D-Time: 1...120 s, off (definite) O-Time: 1...30 class (inverse) D-Time: 0...120 s (inverse)
Display type	7 segments LED
Power consumption in W	3 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 - M3 Control circuit: cable 1 x 1…2.5 mm²flexible with cable end - M3 Control circuit: cable 1 x 1…2.5 mm²flexible without cable end - M3
Tightening torque	Control circuit: 0.8...1.2 N.m on cable, 4.7 mm
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	-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 AC

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	160.0 G

Offer Sustainability

Recyclability potential, in %	92
Total lifecycle Carbon footprint	94 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.5791633924653576
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2161321795974553
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.041393688292402524
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	91.76355392763465
Carbon footprint of the use phase [B2, B3, B4, B6]	92 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.6011820876265537
Carbon footprint of the end-of-life phase [C1 to C4]	0.6 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	94
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised