



electronic overcurrent relay - 3-30A
- 220 V AC EOCRSS-30S

URL:<https://www.sxplc.com/electronic-overcurrent-relay-3-30a-220-v-ac-eocrss-30s>

Product data sheet

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| Range of product | EOCR |
| Device short name | EOCR-3D420 |
| product or component type | Protection relay |
| Protection type | Overload, $I_n > OC$ setting Sensitivity to phase loss Sensitivity to phase reverse Locked rotor, $I_n > 3$ times OC setting Phase unbalance, 50 % |
| Product specific application | Overcurrent protection |
| Analogue output range | 4...20 mA |
| Network type | AC |
| Network frequency | 50...60 Hz |
| protection adjustment range | 0.5...10 A |
| Tripping threshold | 0.5...6 A |

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| Complementary | [Us] rated supply voltage | 220 V AC |
| | Mounting support | 35 mm DIN rail |

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| | | 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 IEC 60947-4-1 690 V AC 50...60 Hz for power circuit conforming to IEC 60947-4-1 690 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 per relay | | 3 W |
| Connections - terminals | | Control circuit: cable 2 x 1...1.5 mm ² flexible with cable gland Control circuit: cable 2 x 1...1.5 mm ² flexible without cable gland M3 Control circuit: cable 1 x 1...2.5 mm ² flexible with cable gland Control circuit: cable 1 x 1...2.5 mm ² flexible without cable gland 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 |

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| EnvironmentStandards | IEC 60947-4-1 |
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| 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 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 61000-4-11 Conducted RF disturbances: 10 V conforming to EN 61000-4-6 Conducted RF disturbances: class A conforming to EN 55014-2 |
| [I _{th}] conventional free air thermal current | 5 A for control circuit |
| Permissible current | 250 V, 5 A AC |

