



Main

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| Commercial Status | Commercialised |
| Range of product | EOCR |
| Device short name | EOCR-3MZ2 |
| Product or component type | Protection relay |
| Protection type | Sensitivity to phase reverse Earth fault, $I_g > I_g$ setting Phase unbalance, 10...50 % Sensitivity to phase loss Locked rotor for running, $I_n > 1.5...5$ times OC setting Locked rotor for starting, $I_n > 2...8$ times OC setting Underload, $I_n < UC$ setting Overload, $I_n > OC$ setting |
| Product specific application | Motor protection |
| Network type | AC |
| Network frequency | 50...60 Hz |
| Protection adjustment range | 0.5...60 A |
| Tripping threshold | 0.03...10 A (definite) - earth fault current 0.5...60 A (definite) 0.5...32 A (inverse and thermal) |

Complementary

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| [Us] rated supply voltage | 24 V AC/DC |
| Mounting support | Panel 35 mm DIN rail |
| Contacts type and composition | 1 NC + 1 NO (OL/GR) |
| Short-circuit and overload prot | By 4 A gG fuse |
| [Ue] rated operational voltage | Power circuit: 690 V AC 50...60 Hz IEC 60947-4-1 Power circuit: 690 V AC 50...60 Hz CSA Power circuit: 600 V AC 50...60 Hz UL |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947-4-1 |
| Reset | Automatic reset 0.5...1200 s Electrical < 1 s by interruption of power supply Manual reset |
| Time delay type | O-Time: 1...30 class (inverse and thermal) Ed-Time: 0...30 s E-Time: 0.05...10 s U-Time: 0.5...30 s O-Time: 0.2...30 s (definite) D-Time: 0...200 s |
| Display type | 7 segments LED Bar graph |
| Power consumption per relay | < 3 W |
| Connections - terminals | Control circuit: 1 cable 1...2.5 mm ² - flexible - without cable end - M3 Control circuit: 1 cable 1...2.5 mm ² - flexible - with cable end - M3 Control circuit: 2 cable 1...1.5 mm ² - flexible - without cable end - M3 Control circuit: 2 cable 1...1.5 mm ² - flexible - with cable end - M3 |
| Tightening torque | 0.8...1.2 N.m for control circuit - cable - 4.7 mm head |
| Height | 74.5 mm |
| Width | 150 mm |
| Depth | 155 mm |
| Product weight | 0.893 kg |

Environment

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| Standards | IEC 60947-4-1 |
| Product certifications | UL |
| IP degree of protection | IP20 IEC 60529 |
| Ambient air temperature for operation | -20...60 °C IEC 60947-4-1 |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | 2000 m |
| Fire resistance | 960 °C UL 94 650 °C IEC 60695-2-12 |
| Shock resistance | 15 gn for 11 ms IEC 60068-2-7 |
| Vibration resistance | 2 gn on 35 mm DIN rail IEC 60068-2-6 4 gn on panel mounting IEC 60068-2-6 |
| Dielectric strength | 2 kV at 50...60 Hz in between circuit IEC 60255-5 1 kV at 50...60 Hz in between contact IEC 60255-5 2 kV at 50...60 Hz in between case and circuit IEC 60255-5 |
| Surge withstand | 6 kV IEC 61000-4-5 |
| Electromagnetic compatibility | Conducted RF disturbances class A EN 55011 Conducted RF disturbances 10 V EN 61000-4-6 Resistance to fast transient 2 kV IEC 61000-4-4 Resistance to radiated electromagnetic fields 10 V/m level 3 IEC 61000-4-3 Resistance to electrostatic discharge 8 kV air, 6 kV contact IEC 61000-4-2 |
| [I _{th}] conventional free air thermal current | 3 A, control circuit |
| Permissible current | 250 V, 3 A AC |

Contractual warranty

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| Period | 18 months |
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