

specification



EOCR-iFMZ WR BA 100~240V Bott.

IFMZ-WRDUHZ

notification_critical_stroke End of sales date: 2024. 05. 21.

Stop notification_critical_stroke

Basic items

| | |
|-----------------------------------|---|
| Product range | EOCR |
| model name | EOCR-iFMZ |
| Product or component type | Protective relay |
| Protection type | Overload, In > Overcurrent setting Underload, In < Undercurrent setting Restraint during operation, In > 2...8 times overcurrent setting Restraint while driving, In > 1.5...5 times overcurrent setting Decision Imbalance, 10...50 % Ground fault, Ig > Ground fault current setting Reverse |
| Product Specification Application | Motor Protection |
| Network Type | AC |
| Network Frequency | 50...60 Hz |
| Communication Port Protocol | Modbus RTU |
| protection adjustment range | 0.5...60 A |
| Trip range | 0.5...32 A inverse time, thermal accumulation inverse time) 0.5...60 A fixed time) 0.03...10 A fixed time) - Ground fault current |

Electrical/Mechanical Characteristics

| | |
|--------------------------------|---|
| [Us] Rated input voltage | 100...240 V AC/DC |
| Attachment method | Basic unit 35 mm DIN rail Basic Device Panel Flush the display device |
| Contact type and configuration | 1 NO GR) 1 NO OL) |
| ??, ??? ?? | By 4 A gG Fuse |
| [Ue] Rated operating voltage | 600 V AC 8...200 Hz main circuit conforming to UL 690 V AC 8...200 Hz main circuit conforming to CSA 690 V AC 8...200 Hz main circuit conforming to IEC 60947-4-1 |
| [Uimp] rated impulse voltage | 6 kV conforming to IEC 60947-4-1 |
| return | Manual Reset Auto reset 0.5... 1200 s Electrical 0... 1 s Electrical |

| | |
|-----------------------------|---|
| Set time | Delay time at startup 0...200 s Overcurrent tripping time 0.2...30 s fixed time) Overcurrent operating time 1...30 class inverse time, thermal accumulation inverse time) Undercurrent operation time 0.5...30 s Ground fault action time 0.05...10 s Delay time for ground fault operation at start-up 0...30 s |
| Display method | 7 segment LED Bar graph |
| power consumption per relay | 3 W |
| Final | Control circuit cable 2 x 1... 1.5 mm² with flexible cable end - M3 Control Cable 2 x 1... 1.5 mm² Flexible Cable Endless - M3 Control circuit cable 1 x 1... 2.5 mm² with flexible cable end - M3 Control circuit cable 1 x 1... 2.5 mm² Flexible cable endless - M3 |
| tightening torque | Control circuit 0.8...1.2 Nm above, cable, 4.7 mm |
| height | 56.3 mm |
| width | 70 mm |
| depth | 108.1 mm |
| Product Weight | 0.508 kg |

Usage environment

| | |
|-------------------------------|---|
| standard | IEC 60947-4-1 |
| Product Certification | UL |
| IP rating | IP20 conforming to IEC 60529 |
| Operating temperature | -20...60 °C conforming to IEC 60947-4-1 |
| Storage temperature | -40...85 °C |
| Usage altitude | 2000 m |
| Fire resistance | 650 °C conforming to IEC 60695-2-12 UL 94 conforming to 960 °C |
| Impact resistance | 15 gn 11 ms conforming to IEC 60068-2-7 |
| Vibration resistance | 4 gn panel mounting conforming to IEC 60068-2-6 2 gn 35mm rail mount conforming to IEC 60068-2-6 |
| Insulation strength | 2 kV 50...60 Hz between enclosures and circuits conforming to IEC 60255-5 1 kV 50...60 Hz between contacts IEC 60255-5 2 kV 50...60 Hz between internal circuits conforming to IEC 60255-5 |
| My book | 6 kV conforming to IEC 61000-4-5 |
| Electromagnetic compatibility | Radiofrequency radiation immunity 10 V/m level 3 conforming to IEC 61000-4-3 Immunity to electrostatic discharge 8 kV air, 6 kV contact conforming to IEC 61000-4-2 Overvoltage 2 kV conforming to IEC 61000-4-4 Radio frequency conducted immunity 10 V conforming to EN 61000-4-6 Radio frequency conducted immunity class A conforming to EN 55011 |
| [Ith] Continuous current | 3 A control circuit |
| Allowable current | 250 V, 3 A |

Packaging unit

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 11.5 cm |
| Package 1 Width | 16.65 cm |
| Package 1 Length | 10.5 cm |

| | |
|--------------------|-----------|
| Package 1 Weight | 528.0 g |
| Contract Guarantee | |
| guarantee | 18 months |



Environmental Data

Schneider Electric's ongoing "Use Better, Use Longer, Reuse" campaign is driven by supply chain partnerships, lower impact materials and We aim to achieve Net Zero status by 2050 through circularity, extending the life and recyclability of our products.

[Description of environmental data](#) >

[How to evaluate product sustainability](#) >

Use Better

| | |
|-----------------------------------|--|
| Materials and Packaging | |
| EU RoHS Directive | observance |
| China RoHS regulations | China RoHS Declaration |

Use Again

| | |
|---------------------------------|---|
| Repackaging and Remanufacturing | |
| WEEE | This product must be disposed of on the European Union market after specific waste collection, and should never be thrown into the trash. |