

Product datasheet

Specifications



earth fault relay - 0.1..2.5 A - 220 V AC - EP

EFR-25RM7Q

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

Main

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|------------------------------|-----------------------------------|
| Range Of Product | EOCR |
| Device Short Name | EFR |
| Product Or Component Type | Protection relay |
| Protection Type | Earth fault, Ig > Ig setting |
| Product Specific Application | Earth fault protection |
| Network Type | AC |
| Network Frequency | 50...60 Hz |
| Protection Ajustment Range | 0.1...2.5 A |
| Tripping Threshold | 0.1...2.5 A - earth fault current |

Complementary

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| [Us] Rated Supply Voltage | 220 V AC |
| Mounting Support | Flush |
| Contacts Type And Composition | 1 C/O (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 |
| Time Delay Type | E-Time: 0.2...2 s |
| Display Type | 2 LEDs |
| Power Consumption Per Relay | 2 W |
| Connections - Terminals | Control circuit: lug-clamp 2 x 1...2.5 mm²flexible without cable end - M3.5 Control circuit: cable 2 x 1...2.5 mm²flexible without cable end - M3.5 Control circuit: cable 2 x 1...2.5 mm²flexible with cable end - M3.5 |
| Tightening Torque | Control circuit: 1.7 N.m on lug-clamp, cable, 7 mm |
| Height | 78 mm |
| Width | 58 mm |
| Depth | 93 mm |
| Net Weight | 0.313 kg |

Environment

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|---|---|
| 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 | 2 gn on flush mounting 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 |

Contractual warranty

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| Warranty | 18 months |
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