



Main

| | |
|------------------------------|---|
| Commercial Status | Commercialised |
| Range of product | EOCR |
| Device short name | EOCR-DG |
| Product or component type | Protection relay |
| Protection type | Locked rotor for starting, $I_n > 3$ times OC setting Phase unbalance, 50 % Sensitivity to phase reverse Earth fault, $I_g > I_g$ setting Sensitivity to phase loss Overload, $I_n > OC$ setting |
| Product specific application | Overload protection |
| Network type | AC |
| Network frequency | 50...60 Hz |
| Protection adjustment range | 3...30 A |
| Tripping threshold | 0.5...2 A - earth fault current 3...30 A |

Complementary

| | |
|--|---|
| [Us] rated supply voltage | 180...260 V AC |
| Mounting support | Panel |
| Contacts type and composition | 1 NC + 1 NO (OL) |
| Short-circuit and overld 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 | Electrical < 1 s by interruption of power supply Manual reset |
| Time delay type | E-Time: 0.5 s O-Time: 0.2...15 s D-Time: 60 - 4 x (I / I _s), max 60 s |
| Display type | 5 LEDs |
| Power consumption per relay | < 2 W |
| Connections - terminals | Control circuit: 2 cable 1...2.5 mm ² - flexible - with cable end - M3.5 Control circuit: 2 cable 1...2.5 mm ² - flexible - without cable end - M3.5 Control circuit: 2 lug-clamp 1...2.5 mm ² - flexible - without cable end - M3.5 |
| Tightening torque | 1.7 N.m for control circuit - lug-clamp, cable - 7 mm head |
| Height | 40 mm |
| Width | 90 mm |
| Depth | 91 mm |
| Product weight | 0.164 kg |

Environment

| | |
|---------------------------------------|---------------------------|
| Standards | IEC 60947-4-1 |
| IP degree of protection | IP20 IEC 60529 |
| Ambient air temperature for operation | -20...60 °C IEC 60947-4-1 |
| Ambient air temperature for storage | -30...80 °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 | 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 | 5 A, control circuit |
| Permissible current | 250 V, 5 A AC |

Contractual warranty

| | |
|--------|-----------|
| Period | 18 months |
|--------|-----------|