



## 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<br>Phase unbalance, 50 %<br>Sensitivity to phase reverse<br>Earth fault, $I_g > I_g$ setting<br>Sensitivity to phase loss<br>Overload, $I_n > OC$ setting |
| Product specific application | Overload protection   |
| Network type                 | AC  |
| Network frequency            | 50...60 Hz  |
| Protection adjustment range  | 0.5...6 A   |
| Tripping threshold           | 1...2.5 A - earth fault current<br>0.5...6 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<br>Power circuit: 690 V AC 50...60 Hz CSA<br>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<br>Manual reset  |
| Time delay type                        | E-Time: 0.5 s<br>O-Time: 0.2...15 s<br>D-Time: 60 - 4 x (I / I <sub>s</sub> ), max 60 s   |
| Display type                           | 5 LEDs  |
| Power consumption per relay            | < 2 W   |
| Connections - terminals                | Control circuit: 2 cable 1...2.5 mm <sup>2</sup> - flexible - with cable end - M3.5<br>Control circuit: 2 cable 1...2.5 mm <sup>2</sup> - flexible - without cable end - M3.5<br>Control circuit: 2 lug-clamp 1...2.5 mm <sup>2</sup> - flexible - without cable end - M3.5 |
| Tightening torque                      | 1.7 N.m for control circuit - lug-clamp, cable - 7 mm head  |
| Height                                 | 55 mm   |
| Width                                  | 150 mm  |
| Depth                                  | 166 mm  |
| Product weight                         | 0.884 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<br>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<br>1 kV at 50...60 Hz in between contact IEC 60255-5<br>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<br>Conducted RF disturbances 10 V EN 61000-4-6<br>Resistance to fast transient 2 kV IEC 61000-4-4<br>Resistance to radiated electromagnetic fields 10 V/m level 3 IEC 61000-4-3<br>Resistance to electrostatic discharge 8 kV air, 6 kV contact IEC 61000-4-2 |
| [I <sub>th</sub> ] conventional free air thermal current | 5 A, control circuit   |
| Permissible current                                      | 250 V, 5 A AC  |

### Contractual warranty

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