



Main

Commercial Status	Commercialised
Range of product	EOCR
Device short name	EOCR-DGT
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	0.5...6 A
Tripping threshold	1...2.5 A - earth fault current 0.5...6 A

Complementary

[Us] rated supply voltage	85...150 V AC
Mounting support	Panel 35 mm DIN rail
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 / Is), max 60 s
Display type	5 LEDs
Power consumption per relay	< 2 W
Connections - terminals	Power circuit: 1 lug-clamp 2.5...25 mm ² - flexible - without cable end - M6 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 2.5 N.m for power circuit - lug-clamp - 11 mm head
Height	81 mm
Width	90 mm
Depth	96 mm
Product weight	0.423 kg

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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	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	5 A, control circuit
Permissible current	250 V, 5 A AC

Contractual warranty

Period	18 months
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