

Product datasheet

Specifications



electronic overload relay - 0.5..6 A - 85..150 V AC

EOCRDGT-05RF7

Discontinued on: Sep 30, 2022

Discontinued

Main

Range Of Product	EOCR
Device Short Name	EOCR-DGT
Product Or Component Type	Protection relay
Protection Type	Overload, In > OC setting Sensitivity to phase loss Earth fault, Ig > Ig setting Sensitivity to phase reverse Phase unbalance, 50 % Locked rotor for starting, In > 3 times OC setting
Product Specific Application	Overload protection
Network Type	AC
Network Frequency	50...60 Hz
Protection Ajustment Range	0.5...6 A
Tripping Threshold	0.5...6 A 1...2.5 A - earth fault current

Complementary

[Us] Rated Supply Voltage	85...150 V AC
Mounting Support	35 mm DIN rail Panel
Contacts Type And Composition	1 NC + 1 NO (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
Reset	Manual reset Electrical 0...1 s by interruption of power supply
Time Delay Type	D-Time: 60 - 4 x (I / Is), max 60 s O-Time: 0.2...15 s E-Time: 0.5 s
Display Type	5 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 Power circuit: lug-clamp 1 x 2.5...25 mm²flexible without cable end - M6

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

Tightening Torque	Power circuit: 2.5 N.m on lug-clamp, 11 mm Control circuit: 1.7 N.m on lug-clamp, cable, 7 mm
Height	81 mm
Width	90 mm
Depth	96 mm
Net Weight	0.423 kg

Environment

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	4 gn on panel mounting conforming to IEC 60068-2-6 2 gn on 35 mm DIN rail 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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	10.2 cm
Package 1 Width	9.3 cm
Package 1 Length	8.3 cm
Package 1 Weight	433 g

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

<div><div>✓</div><div>Mercury Free</div></div>	
<div><div>✓</div><div>Rohs Exemption Information</div></div>	<div>Yes</div>
<div><div>✓</div><div>Pvc Free</div></div>	

Certifications & Standards

<div>Eu Rohs Directive</div>	<div>Compliant</div> <div>EU RoHS Declaration</div>
<div>China Rohs Regulation</div>	<div>China RoHS declaration</div> <div>Product out of China RoHS scope. Substance declaration for your information</div>
<div>Environmental Disclosure</div>	<div>Product Environmental Profile</div>
<div>Weee</div>	<div>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins</div>
<div>Circularity Profile</div>	<div>End of Life Information</div>