

Protection relay, EOCR Digital, 0.5 to 60A, 100 to 240VAC/DC, window connt, for motor protection

3DM2-WRDUWZ

Main

Range of product	EOCR			
Device short name	EOCR-3DM2			
Product or component type	Protection relay			
Protection type	Overload, In > OC setting Underload, In < UC setting Locked rotor for starting, In > 28 times OC setting Locked rotor for running, In > 1.55 times OC setting Sensitivity to phase loss Phase unbalance, 1050 % Sensitivity to phase reverse			
Product specific application	Motor protection			
Network type	AC			
Network frequency	5060 Hz			
protection ajustment range	0.560 A			
Tripping threshold	0.532 A (inverse and thermal) 0.560 A (definite)			

Complementary

[Us] rated supply voltage	100240 V AC/DC
Mounting support	35 mm DIN rail Panel
Contacts type and composition	1 NC + 1 NO (OL) 1 NO (AL/UL/TO)
Short-circuit and overload protection	By 4 A gG fuse
[Ue] rated operational voltage	600 V AC 5060 Hz for power circuit conforming to UL 690 V AC 5060 Hz for power circuit conforming to CSA 690 V AC 5060 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 Automatic reset 0.51200 s Electrical 01 s by interruption of power supply
Time delay type	D-Time: 0200 s O-Time: 0.230 s (definite) O-Time: 130 class (inverse and thermal) U-Time: 0.530 s
Display type	Bar graph 7 segments LED
power consumption per relay	3 W

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

Connections - terminals	Control circuit: cable 2 x 11.5 mm²flexible with cable end - M3 Control circuit: cable 2 x 11.5 mm²flexible without cable end - M3 Control circuit: cable 1 x 12.5 mm²flexible with cable end - M3 Control circuit: cable 1 x 12.5 mm²flexible without cable end - M3		
Tightening torque	Control circuit: 0.81.2 N.m on cable, 4.7 mm		
Height	74.5 mm		
Width	70 mm		
Depth	83.8 mm		
Net weight	0.315 kg		

Environment

Standards	IEC 60947-4-1		
Product certifications	UL		
IP degree of protection	IP20 conforming to IEC 60529		
Ambient air temperature for operation	-2060 °C conforming to IEC 60947-4-1		
Ambient air temperature for storage	-4085 °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 5060 Hz in between case and circuit conforming to IEC 60255-5 1 kV 5060 Hz in between contact conforming to IEC 60255-5 2 kV 5060 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	3 A for control circuit		
Permissible current	250 V, 3 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	325.0 g

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

⊗ Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant

Use Again

○ Repack and remanufacture		
Take-back	No	