product data sheet

specification

EOCR-iFM420 WR 100~240V Window.

IFM420-WRDUWZ

Basic items

Range of products	EOCR
model name	EOCR-iFM420
Product or component type	protection relay
protection type	Overload, In > Overcurrent setting
	Underload, In < undercurrent setting
	Locked during start-up, In > overcurrent setting in multiples of 2...8
	Locked during operation, In > 1.5...5 multiple overcurrent settings
	loss of vision
	Unbalanced, 10...50 %
	reverse image
Product Specification Application	motor protection
analog output range	4...20 mA
network type	AC
network frequency	50...60 Hz
communication port protocol	Modbus RTU
Protection Adjustment Range	0.5… 60A
Trip range	0.5...32 A inverse time, heat accumulation inverse time)
	0.5...60 A definite time)

Electrical/mechanical properties

[Us] rated input voltage	100...240V AC/DC
Mounting method	Base unit 35 mm DIN rail
	Basic device panel
	Flush the display device
Contact type and configuration	1 NC + 1 NO OL)
??, ??? ??	By 4 A gG Fuse
[Ue] Rated operating voltage	600 V AC 8...200 Hz power circuit conforming to UL
	690 V AC 8...200 Hz power circuit matching CSA
	690 V AC 8...200 Hz power circuit conforming to IEC 60947-4-1
[Uimp] Rated impulse withstand voltage	6 kV conforming to IEC 60947-4-1
comeback	manual reset
	Auto reset 0.5… 1200s
	Electrical 0… 1s electrical
time setting	Delay time on startup 0...200 s
	Overcurrent operation time 0.2...30 s definite time)
	Overcurrent operation time 1...30 class inverse time, heat accumulation inverse time)
	Undercurrent operating time 0.5...30 s
Display method	7 segment LED
	bar graph

Power Consumption Per Relay	3W
final	Control circuit cable 2 x 1… 1.5 mm²flexible with cable end - M3
	Control circuit cable 2 x 1… 1.5 mm²flexible without cable end - M3
	Control circuit cable 1 x 1… 2.5 mm²flexible with cable end - M3
	Control circuit cable 1 x 1… 2.5 mm²flexible without cable end - M3
Tightening Torque	Control circuit 0.8…1.2 Nm on and during cable, 4.7 mm
height	56.3mm
ÿÿÿRain	70mm
depth	108.1mm
product weight	0.508kg

Usage environment

standard	IEC 60947-4-1
Product Certification	UL
IP rating	IP20 conforming to IEC 60529
temperature of use	-20… 60 °C conforming to IEC 60947-4-1
storage temperature	-40… 85°C
altitude of use	2000m
fire resistance	650 °C conforming to IEC 60695-2-12
	960 °C conforming to UL 94
impact resistance	15 gn 11 ms conforming to IEC 60068-2-7
Vibration resistance	4 gn panel mounting conforming to IEC 60068-2-6
	2 gn 35 mm rail mounting conforming to IEC 60068-2-6
dielectric strength	2 kV 50...60 Hz between enclosure and circuit conforming to IEC 60255-5
	1 kV 50...60 Hz between contacts conforming to IEC 60255-5
	2 kV 50...60 Hz internal circuit conforming to IEC 60255-5
My book	6 kV conforming to IEC 61000-4-5
electromagnetic compatibility	Radio frequency radiation immunity 10 V/m level 3 conforming to IEC 61000-4-3
	Immunity to electrostatic discharge 8 kV air, 6 kV contact conforming to IEC 61000-4-2
	Transient voltage 2 kV conforming to IEC 61000-4-4
	Conducted radio frequency immunity 10 V conforming to EN 61000-4-6
	Conducted radio frequency immunity class A conforming to EN 55011
[Ith] Continuous conduction current	3 A control circuit
allowable current	250 V, 3 A

packaging unit

Unit Type Of Package 1	PCE
Number Of Units In Package 1	--
Package 1 Height	11.5cm
Package 1 Width	16.65cm
Package 1 Length	10.5cm
Package 1 Weight	481.0 g

contract guarantee

guarantee	18 months

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standards and environmental

declarations.

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Product Sustainability Assessment Guide arrow2_right

wellness outcomes

ÿ	No toxic heavy metals	
ÿ	No mercury	
ÿ	Rohs exemption information	yes

EU Rohs guidelines	observance	
	EU RoHS declaration	
China **Rohs** regulations	China RoHS declaration	
	Products outside of China RoHS scope. Substance declaration for informational reference only.	
Weee	This product must be disposed of on the EU market in accordance with specific waste collection procedures and must not be disposed of in waste bins.	