

Product data sheet

Characteristics

4AFRC210

Clipsal MAX4, Arc Fault Detection Device (AFDD) 1PN 10A C curve 30mA Type A 6000A



Main

Range	MAX4
Product brand	Clipsal
Product name	MAX4 AFDD
Product or component type	Arc fault detection RCBO
Product specific application	Arc fault detection
Standards	IEC 62606 AS/NZS 61009.1
Device short name	AFDD
Poles description	1P + N
[In] rated current	10 A
Number of protected poles	1
Curve code	C
Breaking capacity	6000 A at 240 V AC 50 Hz conforming to AS/NZS 61009.1
Earth-leakage sensitivity	30 mA
Network type	AC
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Class A
Neutral position	Left
Suitability for isolation	Yes
Residual current tripping technology	Voltage dependent
Trip unit technology	Thermal-magnetic
Earth-leakage protection	Integrated

Complementary

Network frequency	50 Hz
[Ue] rated operational voltage	230/240 V AC 50 Hz conforming to AS/NZS 61009.1 230/240 V AC 50 Hz conforming to IEC 62606
Device location in system	Outgoer
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	6000 A at 240 V AC 50 Hz conforming to AS/NZS 61009.1
Limitation class	3 conforming to AS/NZS 61009.1
Threshold tripping voltage	275 V for +/- 5 V
[Uimp] rated impulse withstand voltage	4 kV conforming to AS/NZS 61009.1
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail

Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles 240 V AC 50 Hz conforming to AS/NZS 61009.1
Overvoltage category	III
Locking options description	Padlocking device (A9A26970)
Cable entry	Top and bottom
Connections - terminals	Tunnel type terminal for 2 cable(s) 2.5 mm ² rigid Tunnel type terminal for 1 cable(s) 16 mm ² rigid Tunnel type terminal for 2 cable(s) 2.5 mm ² flexible Tunnel type terminal for 1 cable(s) 10 mm ² flexible
Wire stripping length	14 mm
Tightening torque	2 N.m
Comb busbar and distribution block compatibility	YES
9 mm pitches	4
Height	91 mm
Width	36 mm
Depth	75 mm
Net weight	205 g




Environment

Heat dissipation	2.07 W at 230 V - 10 A
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	2 conforming to AS/NZS 61009.1 2 conforming to IEC 62606
Tropicalisation	Severity B conforming to IEC 60068-2-30 for 28 d
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...80 °C
Product certifications	RCM
Quality labels	RCM

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	3.6 cm
Package 1 Length	9.1 cm
Package 1 Weight	234.0 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
Halogen content performance	Halogen free plastic parts product