

# 4AFRC210

Arc fault detection RCBO, MAX4 AFDD, 1P+N, 10A, 6000A, 30mA, type A



## 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
Rated breaking and making capacity	500 A at 240 V AC 50 Hz conforming to AS/NZS 61009.1
Limitation class	3 conforming to AS/NZS 61009.1
[Ui] rated insulation voltage	250 V AC 50 Hz between phase and neutral 400 V AC 50 Hz between phases
Threshold tripping voltage	275 V +/- 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 <sup>2</sup> rigid Tunnel type terminal for 1 cable(s) 16 mm <sup>2</sup> rigid Tunnel type terminal for 2 cable(s) 2.5 mm <sup>2</sup> flexible Tunnel type terminal for 1 cable(s) 10 mm <sup>2</sup> 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

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>