

Product data sheet

Characteristics

M9R12491

Multi 9 - GFP - RCCB - 4P - 100A - class A SI - 480Y/277 V - 86 mA instantaneous



Main

Range of product	Multi 9
Range	Multi 9
Product name	Multi 9 GFP
Product or component type	Residual current circuit breaker (RCCB)
Device short name	GFP
Device application	Distribution
Poles description	4P
Neutral position	Left
[In] rated current	100 A at 40 °C conforming to EN/IEC 61008-1
Network type	AC
Earth-leakage sensitivity	86 mA conforming to UL 1053 100 mA conforming to EN/IEC 61008-1
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A-SI
Utilisation category	AC-23A conforming to EN/IEC 61008-1

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	240 V AC 60 Hz 480Y/277 V AC 60 Hz 230/400 V AC 50 Hz 240/415 V AC 50 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	I _{dm} 1500 A conforming to EN/IEC 61008-1
Rated conditional short-circuit current	I _{nc} 10 kA 100 A gG
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[U _{imp}] rated impulse withstand voltage	6 kV conforming to EN/IEC 61008-1
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail

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

Connection pitch	18 mm : Between phases
9 mm pitches	8
Height	81 mm
Width	72 mm
Depth	60 mm
Product weight	0.45 kg
Colour	Grey
Mechanical durability	20000 cycles
Locking options description	Padlocking in OFF position
Connections - terminals	Tunnel type terminals, top or bottom flexible wire(s) 1...25 mm ² max (AWG 18...AWG 3) Tunnel type terminals, top or bottom rigid wire(s) 1...35 mm ² max (AWG 18...AWG 2) Tunnel type terminals, top or bottom flexible with ferrule wire(s) 1...25 mm ² max (AWG 18...AWG 3)
Wire stripping length	14 mm (top or bottom)
Tightening torque	3.5 N.m (top or bottom)

Environment

Standards	EN/IEC 61008-1 UL 1053
Product certifications	UL CSA CCC IEC
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529
Pollution degree	3
Electromagnetic compatibility	8/20 μ s impulse withstand, 3000 A conforming to EN/IEC 61008-1
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % (55 °C)
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...70 °C