

Product data sheet

Specifications



Residual current circuit breaker (RCCB), Multi9 GFP, 2P, 40A, A-SI type, 30mA

M9R81240

Product availability: Stock - Normally stocked in distribution facility

Main

Range	Multi9
Product name	Multi9 GFP
Product or Component Type	Residual current circuit breaker (RCCB)
Device short name	GFP
Device Application	Distribution
Poles description	2P
Neutral position	Left
Line Rated Current	40 A 104 °F (40 °C) EN/IEC 61008-1
Network type	AC
Earth-leakage sensitivity	26 mA UL 1053 30 mA EN/IEC 61008-1
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A-SI (Super Immunised)
Utilisation category	AC-23A EN/IEC 61008-1
Standards	EN/IEC 61008-1 UL 1053
Product certifications	IEC UL

Complementary

Network Frequency	50/60 Hz
[Ue] rated operational voltage	120/240 V AC 60 Hz 240 V AC 50 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	Idm 1500 A EN/IEC 61008-1
Rated conditional short-circuit current	Inc 10 kA 100 A gG
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 kVEN/IEC 61008-1
Contact position indicator	Yes
Control Type	Toggle
Local signalling	ON, OFF, fault trip
Mounting Mode	Clip-on
Mounting Support	DIN rail

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

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

9 mm pitches	4
Height	3.2 in (81 mm)
Width	1.4 in (36 mm)
Depth	2.4 in (60 mm)
Product Weight	0.49 lb(US) (0.22 kg)
color	Gray
Mechanical durability	20000 cycles
Locking options description	Padlocking in OFF position
Connections - terminals	Tunnel type terminals (top or bottom)0.002...0.04 in² (1...25 mm²) (AWG 18...AWG 3) - flexible Tunnel type terminals (top or bottom)0.002...0.05 in² (1...35 mm²) (AWG 18...AWG 2) - rigid Tunnel type terminals (top or bottom)0.002...0.04 in² (1...25 mm²) (AWG 18...AWG 3) - flexible with ferrule
Wire stripping length	0.6 in (14 mm) for top or bottom connection
Tightening torque	31.0 lbf.in (3.5 N.m) top or bottom

Environment

IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3
Electromagnetic compatibility	8/20 µs impulse withstand, 3000 A EN/IEC 61008-1
Tropicalisation	2 IEC 60068-1
Relative humidity	95 % 131 °F (55 °C)
Ambient air temperature for operation	-13...140 °F (-25...60 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)

Ordering and shipping details

Category	US10DE200948
Discount Schedule	0DE2
GTIN	3606481198440
Returnability	Yes
Country of origin	ES

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.575 in (4.000 cm)
Package 1 Width	3.307 in (8.400 cm)
Package 1 Length	3.543 in (9.000 cm)
Package weight(Lbs)	7.584 oz (215.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Height	11.811 in (30.000 cm)

Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	26.720 lb(US) (12.120 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

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 >](#)



Environmental footprint

Total lifecycle Carbon footprint	42 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	39 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.7 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	81454b7e-fcdf-4818-a481-efccd54a351f
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen content performance	Product contains halogen above thresholds

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	59
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.