Product data sheet

Specifications

Residual current circuit breaker (RCCB), Multi9 ID, 4P, 40A, A-SI type, 30mA

M9R31440

Main

Range	Multi9
Product Name	Multi9 ID
Product Or Component Type	Residual current circuit breaker (RCCB)
Device Short Name	ID
Device Application	Distribution
Poles Description	4P
Neutral Position	Left
Line Rated Current	40 A
Network Type	AC
Earth-Leakage Sensitivity	30 mA
Earth-Leakage Protection Time Delay	Instantaneous
Earth-Leakage Protection Class	Type A-SI (Super Immunised)

Complementary

Network Frequency	50 Hz
[Ue] Rated Operational Voltage	380...415 V AC 50 Hz
Residual Current Tripping Technology	Voltage independent
Rated Breaking And Making Capacity	Idm 400 A EN/IEC 61008-1
Rated Conditional Short-Circuit Current	Inc 10 kA
[Ui] Rated Insulation Voltage	440 V AC 50 Hz EN/IEC 61008-1
[Uimp] Rated Impulse Withstand Voltage	6 kVEN/IEC 61008-1
Surge Current	3000 A
Contact Position Indicator	Yes
Control Type	Toggle
Local Signalling	ON, OFF, fault trip
Mounting Mode	Clip-on
Mounting Support	DIN rail
9 Mm Pitches	8
Height	3.19 in (81 mm)
Width	2.83 in (72 mm)

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

Depth	2.87 in (73 mm)
Net Weight	0.99 lb(US) (0.45 kg)
Color	Gray
Mechanical Durability	20000 cycles
Electrical Durability	2000 cycles
Locking Options Description	Padlocking device
Connections - Terminals	Tunnel type terminal top or bottom) 0.00…0.05 in² (1…35 mm²) - rigid Tunnel type terminal top or bottom) 0.00…0.04 in² (1…25 mm²) - flexible Tunnel type terminal top or bottom) 3 0.02 in² (16 mm²) - rigid Tunnel type terminal top or bottom) 3 0.02 in² (10 mm²) - flexible Tunnel type terminal top or bottom) 0.00…0.04 in² (1…25 mm²) - flexible with ferrule
Wire Stripping Length	0.59 in (15 mm) for top or bottom connection
Tightening Torque	30.98 lbf.in (3.5 N.m) top or bottom

Environment

Standards	EN/IEC 61008-1
Product Certifications	CE
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…104 °F (-25…40 °C)
Ambient Air Temperature For Storage	-40…140 °F (-40…60 °C)

Ordering and shipping details

Gtin	3606480578380

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.95 in (7.500 cm)
Package 1 Width	3.31 in (8.400 cm)
Package 1 Length	3.54 in (9.000 cm)
Package 1 Weight	12.31 oz (349.000 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	27
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	21.85 lb(US) (9.910 kg)

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	No need of specific recycling operations