

# Product datasheet

Specifications



## Multi9 ID - residual current circuit breaker - 4P - 40A - 30mA - type A-SI

M9R31440

EAN Code: 3606480578380

### 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                                    |
| [In] 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)             |
| Standards                           | EN/IEC 61008-1                          |
| Product certifications              | CE                                      |

### 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 conforming to EN/IEC 61008-1      |
| Rated conditional short-circuit current | I <sub>nc</sub> 10 kA                       |
| [Ui] rated insulation voltage           | 440 V AC 50 Hz conforming to EN/IEC 61008-1 |
| [Uimp] rated impulse withstand voltage  | 6 kV conforming to EN/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                                  | 81 mm                                       |

|                                    |   |
|------------------------------------|---|
| <b>Width</b>                       | 72 mm   |
| <b>Depth</b>                       | 73 mm   |
| <b>Net weight</b>                  | 0.45 kg   |
| <b>Colour</b>                      | Grey  |
| <b>Mechanical durability</b>       | 20000 cycles  |
| <b>Electrical durability</b>       | 2000 cycles   |
| <b>Locking options description</b> | Padlocking device   |
| <b>Connections - terminals</b>     | Tunnel type terminal (top or bottom) 1...35 mm <sup>2</sup> - rigid<br>Tunnel type terminal (top or bottom) 1...25 mm <sup>2</sup> - flexible<br>Tunnel type terminal (top or bottom) 3 cable(s) 16 mm <sup>2</sup> - rigid<br>Tunnel type terminal (top or bottom) 3 cable(s) 10 mm <sup>2</sup> - flexible<br>Tunnel type terminal (top or bottom) 1...25 mm <sup>2</sup> - flexible with ferrule |
| <b>Wire stripping length</b>       | 15 mm for top or bottom connection  |
| <b>Tightening torque</b>           | 3.5 N.m top or bottom   |

## Environment

|  |  |
|--|--|
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| <b>Pollution degree</b>                      | 3  |
| <b>Electromagnetic compatibility</b>         | 8/20 µs impulse withstand, 3000 A conforming to EN/IEC 61008-1                   |
| <b>Tropicalisation</b>                       | 2 conforming to IEC 60068-1  |
| <b>Relative humidity</b>                     | 95 % at 55 °C  |
| <b>Ambient air temperature for operation</b> | -25...40 °C  |
| <b>Ambient air temperature for storage</b>   | -40...60 °C  |

## Packing Units

|                                     |            |
|-------------------------------------|------------|
| <b>Unit Type of Package 1</b>       | PCE        |
| <b>Number of Units in Package 1</b> | 1          |
| <b>Package 1 Height</b>             | 7.500 cm   |
| <b>Package 1 Width</b>              | 8.400 cm   |
| <b>Package 1 Length</b>             | 9.000 cm   |
| <b>Package 1 Weight</b>             | 349.000 g  |
| <b>Unit Type of Package 2</b>       | S03        |
| <b>Number of Units in Package 2</b> | 27         |
| <b>Package 2 Height</b>             | 30.000 cm  |
| <b>Package 2 Width</b>              | 30.000 cm  |
| <b>Package 2 Length</b>             | 40.000 cm  |
| <b>Package 2 Weight</b>             | 9.910 kg   |
| <b>Unit Type of Package 3</b>       | P12        |
| <b>Number of Units in Package 3</b> | 216        |
| <b>Package 3 Height</b>             | 45.000 cm  |
| <b>Package 3 Width</b>              | 80.000 cm  |
| <b>Package 3 Length</b>             | 120.000 cm |

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Package 3 Weight 79.280 kg

## Logistical informations

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Country of origin ES

## Contractual warranty

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Warranty (in months) 18



## 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                       | 63 kg CO2 eq.                                 |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |
| Carbon footprint of the manufacturing phase [A1 to A3] | 4 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 58 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 1 kg CO2 eq.                                  |

### 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                      | <a href="#">Compliant By Exemption</a>   |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen-free status                    | Product contains halogen above thresholds  |

### Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

### Use Again



### Repack and remanufacture

|                                 |   |
|---------------------------------|---|
| End of life manual availability | 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 |