

# Product data sheet

Specifications



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

M9R31240

### 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                   | 2P                                      |
| 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)             |
| Standards                           | EN/IEC 61008-1                          |
| Product certifications              | CE                                      |

### Complementary

|   |                                      |
|---|--------------------------------------|
| Network Frequency                                   | 50 Hz                                |
| [U <sub>e</sub> ] rated operational voltage         | 220...240 V AC 50 Hz                 |
| Residual current tripping technology                | Voltage independent                  |
| Rated breaking and making capacity                  | I <sub>dm</sub> 400 A EN/IEC 61008-1 |
| Rated conditional short-circuit current             | I <sub>nc</sub> 10 kA                |
| [U <sub>i</sub> ] rated insulation voltage          | 440 V AC 50 Hz EN/IEC 61008-1        |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 6 kV 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  | 4                                    |
| Height  | 3.2 in (81 mm)                       |

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

|                                    |  |
|------------------------------------|--|
| <b>Width</b>                       | 1.4 in (36 mm)   |
| <b>Depth</b>                       | 2.9 in (73 mm)   |
| <b>Net Weight</b>                  | 0.51 lb(US) (0.23 kg)  |
| <b>color</b>                       | Gray   |
| <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) 0.002...0.05 in <sup>2</sup> (1...35 mm <sup>2</sup> ) - rigid<br>Tunnel type terminal top or bottom) 0.002...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) - flexible<br>Tunnel type terminal top or bottom) 3 0.02 in <sup>2</sup> (16 mm <sup>2</sup> ) - rigid<br>Tunnel type terminal top or bottom) 3 0.02 in <sup>2</sup> (10 mm <sup>2</sup> ) - flexible<br>Tunnel type terminal top or bottom) 0.002...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) - flexible with ferrule |
| <b>Wire stripping length</b>       | 0.6 in (15 mm) for top or bottom connection  |
| <b>Tightening torque</b>           | 31.0 lbf.in (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 EN/IEC 61008-1                                 |
| <b>Tropicalisation</b>                       | 2 IEC 60068-1  |
| <b>Relative humidity</b>                     | 95 % 131 °F (55 °C)  |
| <b>Ambient air temperature for operation</b> | -13...104 °F (-25...40 °C)   |
| <b>Ambient Air Temperature for Storage</b>   | -40...140 °F (-40...60 °C)   |

## Ordering and shipping details

|             |               |
|-------------|---------------|
| <b>GTIN</b> | 3606480578342 |
|-------------|---------------|

## Packing Units

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Unit Type of Package 1</b>       | PCE                       |
| <b>Nbr. of units in pkg.</b>        | 1                         |
| <b>Package 1 Height</b>             | 3.425 in (8.700 cm)       |
| <b>Package 1 Width</b>              | 1.575 in (4.000 cm)       |
| <b>Package 1 Length</b>             | 3.543 in (9.000 cm)       |
| <b>Package weight(Lbs)</b>          | 7.266 oz (206.000 g)      |
| <b>Unit Type of Package 2</b>       | S03                       |
| <b>Number of Units in Package 2</b> | 54                        |
| <b>Package 2 Height</b>             | 11.811 in (30.000 cm)     |
| <b>Package 2 Width</b>              | 11.811 in (30.000 cm)     |
| <b>Package 2 Length</b>             | 15.748 in (40.000 cm)     |
| <b>Package 2 Weight</b>             | 25.496 lb(US) (11.565 kg) |
| <b>Unit Type of Package 3</b>       | P12                       |
| <b>Number of Units in Package 3</b> | 432                       |
| <b>Package 3 Height</b>             | 17.480 in (44.400 cm)     |

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|                         |                             |
|-------------------------|-----------------------------|
| <b>Package 3 Width</b>  | 31.496 in (80.000 cm)       |
| <b>Package 3 Length</b> | 47.244 in (120.000 cm)      |
| <b>Package 3 Weight</b> | 230.427 lb(US) (104.520 kg) |

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## **Contractual warranty**

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|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 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                       | 42 kg CO2 eq.                                 |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |
| 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.                                |

### Use Better



### Materials and Substances

|  |                                      |
|--|--------------------------------------|
| Packaging made with recycled cardboard | Yes                                  |
| Packaging without single use plastic   | Yes                                  |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions            |
| SCIP Number                            | 81454b7e-fcdf-4818-a481-efccd54a351f |
| REACH Regulation                       | <a href="#">REACH Declaration</a>    |
| Halogen content performance            | Halogen free plastic parts product   |

### Use Longer



### Lifetime extension

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

### Use Again



### Repack and remanufacture

|                     |  |
|---------------------|--|
| 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. |