

# Product data sheet

Specifications



## Residual current circuit breaker (RCCB), Acti9 iID, 4P, 40A, AC type, 500mA

A9R16440

### Main

|                                     |   |
|-------------------------------------|---|
| Range                               | Acti9                                   |
| Product Name                        | Acti9 iID                               |
| Product Or Component Type           | Residual current circuit breaker (RCCB) |
| Device Short Name                   | iID                                     |
| Poles Description                   | 4P                                      |
| Neutral Position                    | Left                                    |
| [In] Rated Current                  | 40 A                                    |
| Network Type                        | AC                                      |
| Earth-Leakage Sensitivity           | 500 mA                                  |
| Earth-Leakage Protection Time Delay | Instantaneous                           |
| Earth-Leakage Protection Class      | Type AC                                 |

### Complementary

|   |                         |
|---|-------------------------|
| Device Location In System               | Outgoer                 |
| Network Frequency                       | 50/60 Hz                |
| [Ue] Rated Operational Voltage          | 380...415 V AC 50/60 Hz |
| Residual Current Tripping Technology    | Voltage independent     |
| Rated Breaking And Making Capacity      | Idm 1500 A<br>Im 1500 A |
| Rated Conditional Short-Circuit Current | 10 kA                   |
| [Ui] Rated Insulation Voltage           | 500 V AC 50/60 Hz       |
| [Uimp] Rated Impulse Withstand Voltage  | 6 kV                    |
| Surge Current                           | 250 A                   |
| Contact Position Indicator              | Yes                     |
| Control Type                            | Toggle                  |
| Mounting Mode                           | Clip-on                 |
| Mounting Support                        | DIN rail                |
| 9 Mm Pitches                            | 8                       |
| Height                                  | 91 mm                   |
| Width                                   | 72 mm                   |
| Depth                                   | 73.5 mm                 |

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

|                             |   |
|-----------------------------|---|
| Net Weight                  | 0.37 kg   |
| Colour                      | White   |
| Mechanical Durability       | 20000 cycles  |
| Electrical Durability       | AC-1: 15000 cycles  |
| Locking Options Description | Padlocking device   |
| Connections - Terminals     | Single terminal top or bottom 1...35 mm² rigid<br>Single terminal top or bottom 1...25 mm² flexible<br>Single terminal top or bottom 1...25 mm² flexible with ferrule |
| Wire Stripping Length       | 14 mm for top or bottom connection  |
| Tightening Torque           | 3.5 N.m top or bottom   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 61008-1   |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution Degree                      | 3  |
| Electromagnetic Compatibility         | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61008-1                    |
| Ambient Air Temperature For Operation | -5...60 °C   |
| Ambient Air Temperature For Storage   | -40...85 °C  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 7.5 cm    |
| Package 1 Width              | 8.3 cm    |
| Package 1 Length             | 10.0 cm   |
| Package 1 Weight             | 351.0 g   |
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 27        |
| Package 2 Height             | 30.0 cm   |
| Package 2 Width              | 30.0 cm   |
| Package 2 Length             | 40.0 cm   |
| Package 2 Weight             | 10.072 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

# 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<sub>2</sub> products.

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

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Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

✓ Halogen Free Plastic Parts Product

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant with Exemptions   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>   |
| 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  |