

# Product data sheet

Specifications



Residual current circuit breaker (RCCB), Acti9 iID, 4P, 80A, A-SI type, 300mA, selective, double terminal

A9Z35480

## 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                  | 80 A                                    |
| Network type                        | AC                                      |
| Earth-leakage sensitivity           | 300 mA                                  |
| Earth-leakage protection time delay | Selective                               |
| Earth-leakage protection class      | Type A-SI (Super Immunised)             |

## Complementary

|                                         |                         |
|-----------------------------------------|-------------------------|
| Network frequency                       | 50/60 Hz                |
| [Ue] rated operational voltage          | 380...415 V AC 50/60 Hz |
| 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                    |
| 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 mm                   |

|                             |                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product weight              | 0.37 kg                                                                                                                                                                                                                                                                                     |
| Colour                      | White                                                                                                                                                                                                                                                                                       |
| Mechanical durability       | 20000 cycles                                                                                                                                                                                                                                                                                |
| Electrical durability       | AC-1: 10000 cycles                                                                                                                                                                                                                                                                          |
| Locking options description | Padlocking device                                                                                                                                                                                                                                                                           |
| Connections - terminals     | Double terminal front 1...35 mm² rigid<br>Double terminal front 1...25 mm² flexible<br>Double terminal front 1...25 mm² flexible with ferrule<br>Double terminal back 1...25 mm² rigid<br>Double terminal back 1...16 mm² flexible<br>Double terminal back 1...16 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, 3000 A conforming to EN/IEC 61008-1                   |
| Ambient air temperature for operation | -25...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              | 8.0 cm    |
| Package 1 Length             | 10.0 cm   |
| Package 1 Weight             | 372.0 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             | 10.531 kg |

## Offer Sustainability

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                 |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                     |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                      |
| Mercury free               | Yes                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                   |
| 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 |
| Halogen content performance | Halogen free plastic parts product                                                                                          |
| <b>Contractual warranty</b> |                                                                                                                             |
| Warranty                    | 18 months                                                                                                                   |

Recommended replacement(s)