



## Main

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Range                               | Acti9                                   |
| Product name                        | Acti9 iID                               |
| Product or component type           | Residual current circuit breaker (RCCB) |
| Device short name                   | iID                                     |
| Device application                  | Electrical Vehicle charger              |
| 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 B-EV                               |
| Quality labels                      | VDE<br>NF<br>IMQ<br>KEMA                |

## Complementary

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| Device location in system               | Outgoer<br>Group incomer                        |
| Network frequency                       | 50 Hz                                           |
| [Ue] rated operational voltage          | 400 V AC 50 Hz                                  |
| Rated breaking and making capacity      | I <sub>dm</sub> 1500 A<br>I <sub>m</sub> 1500 A |
| Rated conditional short-circuit current | 10 kA                                           |
| [Ui] rated insulation voltage           | 500 V                                           |
| [Uimp] rated impulse withstand voltage  | 6 kV                                            |
| Contact position indicator              | Yes                                             |
| Control type                            | Toggle                                          |

|                             |                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local signalling            | ON/OFF indication<br>LED (green)presence of voltage:<br>Trip indicator                                                                                                                                                                                                                                                                                              |
| Mounting mode               | Clip-on                                                                                                                                                                                                                                                                                                                                                             |
| Mounting support            | DIN rail                                                                                                                                                                                                                                                                                                                                                            |
| 9 mm pitches                | 8                                                                                                                                                                                                                                                                                                                                                                   |
| Height                      | 88 mm                                                                                                                                                                                                                                                                                                                                                               |
| Width                       | 72 mm                                                                                                                                                                                                                                                                                                                                                               |
| Depth                       | 79 mm                                                                                                                                                                                                                                                                                                                                                               |
| Product weight              | 415 g                                                                                                                                                                                                                                                                                                                                                               |
| Colour                      | White                                                                                                                                                                                                                                                                                                                                                               |
| Mechanical durability       | 20000 cycles                                                                                                                                                                                                                                                                                                                                                        |
| Electrical durability       | 15000 cycles                                                                                                                                                                                                                                                                                                                                                        |
| Locking options description | Padlocking device                                                                                                                                                                                                                                                                                                                                                   |
| Connections - terminals     | Double terminal front 1...35 mm <sup>2</sup> rigid<br>Double terminal front 1...25 mm <sup>2</sup> flexible<br>Double terminal front 1...25 mm <sup>2</sup> flexible with ferrule<br>Double terminal back 1...25 mm <sup>2</sup> rigid<br>Double terminal back 1...16 mm <sup>2</sup> flexible<br>Double terminal back 1...16 mm <sup>2</sup> flexible with ferrule |
| Wire stripping length       | 14 mm for top or bottom connection                                                                                                                                                                                                                                                                                                                                  |
| Tightening torque           | 3.5 N.m top or bottom                                                                                                                                                                                                                                                                                                                                               |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | IEC 61008-2-1<br>IEC/EN 62423<br>EN 61008-2-1                                    |
| Product certifications                | CCC<br>KC                                                                        |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| IK degree of protection               | IK05                                                                             |
| Pollution degree                      | 3                                                                                |
| Overvoltage category                  | IV                                                                               |
| Electromagnetic compatibility         | 8/20 µs impulse withstand, 3 kA conforming to EN/IEC 61008-1                     |
| Operating altitude                    | 0...2000 m                                                                       |
| Ambient air temperature for operation | -25...60 °C                                                                      |
| Ambient air temperature for storage   | -40...85 °C                                                                      |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| 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>                                                                               |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

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