

# Product datasheet

Specifications



## Acti 9 xID residual circuit breaker - 40 A - 2P - 100mA class AC instantaneous

A9N16205

### Main

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Range                               | Acti9                                   |
| Product name                        | Acti9 xID                               |
| Product or component type           | Residual current circuit breaker (RCCB) |
| Device short name                   | xID                                     |
| Poles description                   | 2P                                      |
| Neutral position                    | Left                                    |
| [In] rated current                  | 40 A                                    |
| Network type                        | AC                                      |
| Earth-leakage sensitivity           | 100 mA                                  |
| Earth-leakage protection time delay | Instantaneous                           |
| Earth-leakage protection class      | Type AC                                 |
| Rated breaking and making capacity  | 500 A conforming to EN/IEC 61008-1      |
| Suitability for isolation           | Yes                                     |

### Complementary

|                                                  |                      |
|--------------------------------------------------|----------------------|
| Network frequency                                | 50 Hz                |
| [Ue] rated operational voltage                   | 230...240 V AC 50 Hz |
| [Ui] rated insulation voltage                    | 500 V AC 50 Hz       |
| [Uimp] rated impulse withstand voltage           | 6 kV                 |
| Contact position indicator                       | Yes                  |
| Control type                                     | Toggle               |
| Local signalling                                 | ON, OFF, fault trip  |
| Mounting mode                                    | Clip-on              |
| Mounting support                                 | DIN rail             |
| Comb busbar and distribution block compatibility | Downside: biconnect  |
| Connection pitch                                 | 18 mm between phases |
| 9 mm pitches                                     | 4                    |

|                             |                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------|
| Height                      | 81 mm                                                                                                               |
| Width                       | 36 mm                                                                                                               |
| Depth                       | 75 mm                                                                                                               |
| Net weight                  | 210 g                                                                                                               |
| Colour                      | White                                                                                                               |
| Mechanical durability       | 4000 cycles                                                                                                         |
| Electrical durability       | 4000 cycles                                                                                                         |
| Locking options description | Padlocking device                                                                                                   |
| Connections - terminals     | Tunnel type terminals (top or bottom) 1...35 mm² rigid<br>Tunnel type terminals (top or bottom) 1...25 mm² flexible |
| 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<br>EN 61008-2-1<br>IEC 61008-2-1 |
| Product certifications                | ISI                                             |
| IP degree of protection               | IP20                                            |
| Pollution degree                      | 2                                               |
| Tropicalisation                       | 2 conforming to IEC 60068-1                     |
| Relative humidity                     | 95 % at 55 °C                                   |
| Ambient air temperature for operation | -5...40 °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             | 8.0 cm  |
| Package 1 Width              | 4.0 cm  |
| Package 1 Length             | 9.0 cm  |
| Package 1 Weight             | 225.0 g |

## 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>                                                                         |

Contractual warranty

Warranty18 months

Recommended replacement(s)