



## Main

|                                     |  |
|-------------------------------------|--|
| Range                               | Acti9  |
| Product name                        | Acti9 iCV40  |
| Product or component type           | Residual current breaker with overcurrent protection (RCBO)    |
| Device short name                   | ICV40N   |
| Device application                  | Distribution   |
| Poles description                   | 1P + N   |
| Number of protected poles           | 1  |
| Neutral position                    | Left   |
| [In] rated current                  | 40 A   |
| Network type                        | AC   |
| Trip unit technology                | Thermal-magnetic   |
| Curve code                          | C  |
| Earth-leakage sensitivity           | 30 mA  |
| Earth-leakage protection time delay | Instantaneous  |
| Earth-leakage protection class      | Type AC  |
| Breaking capacity                   | 6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1 |
| Suitability for isolation           | Yes conforming to EN/IEC 60947-2                               |
| Quality labels                      | VDE<br>IMQ<br>EAC  |

## Complementary

|                                |                   |
|--------------------------------|-------------------|
| Device location in system      | Outgoer           |
| Network frequency              | 50/60 Hz          |
| [Ue] rated operational voltage | 230 V AC 50/60 Hz |
| Magnetic tripping limit        | 5...10 x In       |

|  |  |
|--|--|
| Residual current tripping technology             | Voltage independent  |
| [Ics] rated service breaking capacity            | 6000 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1   |
| Rated breaking and making capacity               | I <sub>dm</sub> 6000 A at 230 V AC 50/60 Hz conforming to EN 61009-2-1<br>I <sub>dm</sub> 500 A at 230 V AC 50/60 Hz conforming to IEC 61009-2-1 |
| Limitation class                                 | 3 conforming to EN/IEC 61009-2-1   |
| [Ui] rated insulation voltage                    | 400 V AC 50/60 Hz  |
| [Uimp] rated impulse withstand voltage           | 4 kV   |
| Contact position indicator                       | Yes  |
| Control type                                     | Toggle   |
| Local signalling                                 | Fault indication<br>ON/OFF indication  |
| Mounting mode                                    | Clip-on  |
| Mounting support                                 | DIN rail   |
| Comb busbar and distribution block compatibility | Top or bottom: tooth   |
| 9 mm pitches                                     | 4  |
| Height   | 85 mm  |
| Width  | 36 mm  |
| Depth  | 73 mm  |
| Net weight                                       | 210 g  |
| Colour   | White  |
| Mechanical durability                            | 20000 cycles   |
| Electrical durability                            | 10000 cycles   |
| Locking options description                      | Sealable<br>Padlocking device  |
| Connections - terminals                          | Tunnel type terminals top or bottom 1...16 mm <sup>2</sup> rigid<br>Tunnel type terminals top or bottom 1...10 mm <sup>2</sup> flexible          |
| Wire stripping length                            | 14 mm for top or bottom connection   |
| Tightening torque                                | 2 N.m top or bottom  |
| Earth-leakage protection                         | Integrated   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 61009-2-1   |
| Product certifications                | CE   |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree                      | 3  |
| Overvoltage category                  | III conforming to IEC 60364  |
| Electromagnetic compatibility         | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1                  |
| Relative humidity                     | 95 % at 55 °C  |
| Operating altitude                    | 2000 m   |
| 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 Weight             | 224 g    |
| Package 1 Height             | 4 cm     |
| Package 1 width              | 8.2 cm   |
| Package 1 Length             | 10 cm    |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 6        |
| Package 2 Weight             | 1.418 kg |

|                              |          |
|------------------------------|----------|
| Package 2 Height             | 11 cm    |
| Package 2 width              | 9 cm     |
| Package 2 Length             | 25 cm    |
| Unit Type of Package 3       | S03      |
| Number of Units in Package 3 | 54       |
| Package 3 Weight             | 13.75 kg |
| Package 3 Height             | 30 cm    |
| Package 3 width              | 30 cm    |
| Package 3 Length             | 40 cm    |

### 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>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |