



### Main

|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Range                     | Acti9                                                                                                                       |
| Product name              | Acti9 iC40                                                                                                                  |
| Product or component type | Miniature circuit-breaker                                                                                                   |
| Device short name         | IC40N                                                                                                                       |
| Device application        | Distribution                                                                                                                |
| Poles description         | 1P + N                                                                                                                      |
| Number of protected poles | 1                                                                                                                           |
| Neutral position          | Left                                                                                                                        |
| [In] rated current        | 20 A                                                                                                                        |
| Network type              | AC                                                                                                                          |
| Trip unit technology      | Thermal-magnetic                                                                                                            |
| Curve code                | B                                                                                                                           |
| Breaking capacity         | 10 kA Icu at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                                                                                            |
| Quality labels            | KEMA<br>IMQ<br>OVE                                                                                                          |

### Complementary

|                                       |                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                     | 50/60 Hz                                                                                                                                    |
| [Ue] rated operational voltage        | 230 V AC 50/60 Hz                                                                                                                           |
| Magnetic tripping limit               | 3...5 x In conforming to EN/IEC 60898-1<br>4 x In +/- 20 % conforming to EN/IEC 60947-2                                                     |
| [Ics] rated service breaking capacity | 6000 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>7.5 kA 75 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Limitation class                      | 3 conforming to EN/IEC 60898-1                                                                                                              |
| [Ui] rated insulation voltage         | 400 V AC 50/60 Hz conforming to EN/IEC 60947-2                                                                                              |

|                                        |                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-2                                                                               |
| Contact position indicator             | Yes                                                                                                             |
| Control type                           | Toggle                                                                                                          |
| Local signalling                       | ON/OFF indication<br>Trip indicator                                                                             |
| Mounting mode                          | Clip-on                                                                                                         |
| Mounting support                       | DIN rail                                                                                                        |
| 9 mm pitches                           | 2                                                                                                               |
| Height                                 | 85 mm                                                                                                           |
| Width                                  | 18 mm                                                                                                           |
| Depth                                  | 74 mm                                                                                                           |
| Net weight                             | 120 g                                                                                                           |
| Colour                                 | White                                                                                                           |
| Mechanical durability                  | 20000 cycles                                                                                                    |
| Electrical durability                  | 20000 cycles                                                                                                    |
| Locking options description            | Padlocking device                                                                                               |
| Connections - terminals                | Tunnel type terminals top or bottom 1...10 mm² flexible<br>Tunnel type terminals top or bottom 1...16 mm² rigid |
| Wire stripping length                  | 14 mm for top or bottom connection                                                                              |
| Tightening torque                      | 2 N.m top or bottom                                                                                             |
| Earth-leakage protection               | Separate block                                                                                                  |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60898-1<br>EN/IEC 60947-2                                                 |
| Product certifications                | CE<br>BV<br>RINA<br>DNV                                                          |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree                      | 3 conforming to EN/IEC 60947-2                                                   |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Operating altitude                    | 2000 m                                                                           |
| Ambient air temperature for operation | -25...70 °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             | 116 g     |
| Package 1 Height             | 1.8 cm    |
| Package 1 width              | 7.4 cm    |
| Package 1 Length             | 9.4 cm    |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Weight             | 1.51 kg   |
| Package 2 Height             | 8 cm      |
| Package 2 width              | 10 cm     |
| Package 2 Length             | 23 cm     |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 132       |
| Package 3 Weight             | 16.498 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 |