

# A9P44710

Miniature circuit-breaker, Acti9 iC40N, 3P+N,  
10 A, B curve, 6000 A (IEC 60898-1), 10 kA  
(IEC 60947-2)



## Main

|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Range                     | Acti9                                                                                                                       |
| Product name              | Acti9 iC40                                                                                                                  |
| Product or component type | Miniature circuit-breaker                                                                                                   |
| Device short name         | IC40N                                                                                                                       |
| Device application        | Distribution                                                                                                                |
| Poles description         | 3P + N                                                                                                                      |
| Number of protected poles | 3                                                                                                                           |
| Neutral position          | Left                                                                                                                        |
| [In] rated current        | 10 A                                                                                                                        |
| Network type              | AC                                                                                                                          |
| Trip unit technology      | Thermal-magnetic                                                                                                            |
| Curve code                | B                                                                                                                           |
| Breaking capacity         | 10 kA Icu at 400 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                                                                                            |
| Quality labels            | IMQ<br>OVE                                                                                                                  |

## Complementary

|                                        |                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                      | 50/60 Hz                                                                                                                                    |
| [Ue] rated operational voltage         | 400 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 400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>7.5 kA 75 % x Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Limitation class                       | 3 conforming to EN/IEC 60898-1                                                                                                              |
| [Ui] rated insulation voltage          | 440 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                           | 6                                                                                                                                           |
| Height                                 | 85 mm                                                                                                                                       |
| Width                                  | 54 mm                                                                                                                                       |
| Depth                                  | 74 mm                                                                                                                                       |
| Net weight                             | 345 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 mm <sup>2</sup> flexible<br>Tunnel type terminals top or bottom 1...16 mm <sup>2</sup> 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             | 326 g     |
| Package 1 Height             | 5.4 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 | 4         |
| Package 2 Weight             | 1.374 kg  |
| Package 2 Height             | 8 cm      |
| Package 2 width              | 9 cm      |
| Package 2 Length             | 23 cm     |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 44        |
| Package 3 Weight             | 14.344 kg |
| Package 3 Height             | 30 cm     |
| Package 3 width              | 30 cm     |
| Package 3 Length             | 40 cm     |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant  <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>        |
| 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       |