

# Product data sheet

Specifications



Miniature circuit breaker (MCB),  
Acti9 iC40N, 1P+N, 25A, D curve,  
6000A (IEC/EN 60898-1), 10kA  
(IEC/EN 60947-2)

A9P64625

## 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        | 25 A  |
| Network Type              | AC  |
| Trip Unit Technology      | Thermal-magnetic  |
| Curve Code                | D   |
| 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            | AENOR<br>OVE  |

## Complementary

|  |   |
|--|---|
| Network Frequency                      | 50/60 Hz  |
| [Ue] Rated Operational Voltage         | 230 V AC 50/60 Hz   |
| Magnetic Tripping Limit                | 10...14 x In conforming to EN/IEC 60898-1<br>12 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 |
| [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  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                             |   |
|-----------------------------|---|
| 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       | 10000 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 Height             | 7.4 cm  |
| Package 1 Width              | 1.8 cm  |
| Package 1 Length             | 9.4 cm  |
| Package 1 Weight             | 121.0 g |
| Unit Type Of Package 2       | BB1     |
| Number Of Units In Package 2 | 12      |
| Package 2 Height             | 8.0 cm  |
| Package 2 Width              | 9.8 cm  |
| Package 2 Length             | 22.5 cm |
| Package 2 Weight             | 1.51 kg |
| Unit Type Of Package 3       | S03     |

|                              |         |
|------------------------------|---------|
| Number Of Units In Package 3 | 132     |
| Package 3 Height             | 30.0 cm |
| Package 3 Width              | 30.0 cm |
| Package 3 Length             | 40.0 cm |
| Package 3 Weight             | 17.2 kg |

## Sustainability

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Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

✓ Halogen Free Product

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant with Exemptions   |
| 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 |
| Circularity Profile      | No need of specific recycling operations  |