

# Product datasheet

Specifications



## miniature circuit breaker - iK60N - 1P - 2 A - C curve

A9K24102

### Main

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Device application        | Distribution                                                 |
| Range                     | Acti9                                                        |
| Product name              | Acti9 iK60                                                   |
| Product or component type | Miniature circuit-breaker                                    |
| Device short name         | iK60N                                                        |
| Poles description         | 1P                                                           |
| Number of protected poles | 1                                                            |
| [In] rated current        | 2 A at 30 °C                                                 |
| Network type              | AC                                                           |
| Trip unit technology      | Thermal-magnetic                                             |
| Curve code                | C                                                            |
| Breaking capacity         | 6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Suitability for isolation | Yes conforming to EN/IEC 60898-1                             |
| Standards                 | EN/IEC 60898-1                                               |
| Product certifications    | SNi                                                          |

### Complementary

|                                        |                                                               |
|----------------------------------------|---------------------------------------------------------------|
| Network frequency                      | 50/60 Hz                                                      |
| Magnetic tripping limit                | 5...10 x In                                                   |
| [Ics] rated service breaking capacity  | 6000 A 100 % conforming to EN/IEC 60898-1 - 230 V AC 50/60 Hz |
| Limitation class                       | 3 conforming to EN/IEC 60898-1                                |
| [Ui] rated insulation voltage          | 440 V AC 50/60 Hz conforming to EN/IEC 60898-1                |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60898-1                             |
| Contact position indicator             | No                                                            |
| Control type                           | Toggle                                                        |
| Local signalling                       | ON/OFF indication                                             |
| Mounting mode                          | Clip-on                                                       |
| Mounting support                       | DIN rail                                                      |

|                             |                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------|
| 9 mm pitches                | 2                                                                                                                 |
| Height                      | 85 mm                                                                                                             |
| Width                       | 18 mm                                                                                                             |
| Depth                       | 78.5 mm                                                                                                           |
| Net weight                  | 100 g                                                                                                             |
| Colour                      | White                                                                                                             |
| Mechanical durability       | 20000 cycles                                                                                                      |
| Electrical durability       | 10000 cycles                                                                                                      |
| Locking options description | Padlocking device                                                                                                 |
| Connections - terminals     | Tunnel type terminal (top or bottom) 1...25 mm² rigid<br>Tunnel type terminal (top or bottom) 1...16 mm² flexible |
| Wire stripping length       | 14 mm for top or bottom connection                                                                                |
| Tightening torque           | 2 N.m top or bottom                                                                                               |
| Earth-leakage protection    | Without                                                                                                           |

## Environment

|                                       |                                |
|---------------------------------------|--------------------------------|
| IP degree of protection               | IP20 conforming to IEC 60529   |
| Pollution degree                      | 2 conforming to EN/IEC 60898-1 |
| Overvoltage category                  | II                             |
| Ambient air temperature for operation | -25...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 Height             | 2.000 cm  |
| Package 1 Width              | 7.500 cm  |
| Package 1 Length             | 9.500 cm  |
| Package 1 Weight             | 112.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.500 cm  |
| Package 2 Width              | 9.500 cm  |
| Package 2 Length             | 22.000 cm |
| Package 2 Weight             | 1.399 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 132       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 15.745 kg |

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                                                                                                                         |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| RoHS exemption information  | <a href="#">Yes</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 |
| Halogen content performance | Halogen free product                                                                                                        |

Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 12 months |
|----------|-----------|

Recommended replacement(s)