

# Product datasheet

Specifications



## miniature circuit breaker - iK60N - 3P - 6 A - C curve

A9K24306

### Main

|                           |  |
|---------------------------|--|
| Device application        | Distribution   |
| Range                     | Acti9  |
| Product name              | Acti9 iK60   |
| Product or component type | Miniature circuit-breaker                                    |
| Device short name         | iK60N  |
| Poles description         | 3P   |
| Number of protected poles | 3  |
| [In] rated current        | 6 A at 30 °C   |
| Network type              | AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 6000 A Icn at 400 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 - 400 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                | 6   |
| Height                      | 85 mm   |
| Width                       | 54 mm   |
| Depth                       | 78.5 mm   |
| Net weight                  | 300 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 mm <sup>2</sup> rigid<br>Tunnel type terminal (top or bottom) 1...16 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    | 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             | 5.5 cm    |
| Package 1 Width              | 7.5 cm    |
| Package 1 Length             | 9.5 cm    |
| Package 1 Weight             | 304.0 g   |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 4         |
| Package 2 Height             | 8.5 cm    |
| Package 2 Width              | 10.0 cm   |
| Package 2 Length             | 22.0 cm   |
| Package 2 Weight             | 1.245 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 44        |
| Package 3 Height             | 30.0 cm   |
| Package 3 Width              | 30.0 cm   |
| Package 3 Length             | 40.0 cm   |
| Package 3 Weight             | 14.091 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| RoHS exemption information | Yes   |
| 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 |

## Contractual warranty

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

## Recommended replacement(s)