# **Product datasheet**

Specifications





# miniature circuit breaker - iK60N - 3P - 20 A - C curve

A9K24320

### 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        | 20 A at 30 °C  |  |
| Network Type              | AC   |  |
| Trip Unit Technology      | hnology Thermal-magnetic                                     |  |
| Curve Code                | С  |  |
| 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                | 510 x ln  |
| [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   |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| 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) 125 mm² rigid Tunnel type terminal (top or bottom) 116 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 | -2560 °C                       |  |
| Ambient Air Temperature For Storage   | -4085 °C                       |  |

# **Packing Units**

| Unit Type Of Package 1       | PCE       |
|------------------------------|-----------|
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 5.500 cm  |
| Package 1 Width              | 7.500 cm  |
| Package 1 Length             | 9.500 cm  |
| Package 1 Weight             | 295.000 g |
| Unit Type Of Package 2       | BB1       |
| Number Of Units In Package 2 | 4         |
| Package 2 Height             | 8.500 cm  |
| Package 2 Width              | 10.000 cm |
| Package 2 Length             | 22.000 cm |
| Package 2 Weight             | 1.229 kg  |
| Unit Type Of Package 3       | S03       |
| Number Of Units In Package 3 | 44        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 13.913 kg |

## **Contractual warranty**

| Warranty | 18 months |  |
|----------|-----------|--|
|----------|-----------|--|



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Transparency RoHS/REACh

#### Well-being performance

| <b>Ø</b> | Reach Free Of Svhc         |     |
|----------|----------------------------|-----|
| <b>⊘</b> | Toxic Heavy Metal Free     |     |
| <b>⊘</b> | Mercury Free               |     |
| <b>⊘</b> | Rohs Exemption Information | Yes |

#### **Certifications & Standards**

| Reach Regulation         | REACh Declaration   |
|--------------------------|---|
| Eu Rohs Directive        | Compliant EU RoHS Declaration   |
| China Rohs Regulation    | China RoHS declaration  Pro-active China RoHS declaration (out of China RoHS legal scope)                                   |
| Environmental Disclosure | Product Environmental Profile   |
| 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  |