

Product datasheet

Specifications



Miniature circuit-breaker, Acti9 iK60N, 1P, 20 A, C curve, 6000 A (IEC 60898-1)

A9K24120

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 | 20 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 |

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 mm ² rigid Tunnel type terminal (top or bottom) 1...16 mm ² 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 | III |
| Ambient air temperature for operation | -25...60 °C |
| Ambient air temperature for storage | -40...85 °C |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.5 cm |
| Package 1 Width | 1.8 cm |
| Package 1 Length | 9.4 cm |
| Package 1 Weight | 102 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 8.5 cm |
| Package 2 Width | 9.8 cm |
| Package 2 Length | 22 cm |
| Package 2 Weight | 1.25 kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 132 |
| Package 3 Height | 30 cm |
| Package 3 Width | 30 cm |
| Package 3 Length | 40 cm |
| Package 3 Weight | 14.266 kg |

Offer Sustainability

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|--------------------------|-----------------------|
| Sustainable offer status | Green Premium product |
|--------------------------|-----------------------|

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|-----------------------------------|---|
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| RoHS exemption information | Yes |
| 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 |

Contractual warranty

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

Recommended replacement(s)