

Product datasheet

Specifications



miniature circuit breaker - iK60N - 2P - 50 A - C curve

A9K24250

Main

| | |
|---------------------------|--------------------------------------------------------------|
| Device Application | Distribution |
| Range | Acti9 |
| Product Name | Acti9 iK60 |
| Product Or Component Type | Miniature circuit-breaker |
| Device Short Name | iK60N |
| Poles Description | 2P |
| Number Of Protected Poles | 2 |
| [In] Rated Current | 50 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 |
| [Uij] 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 | 4 |
| Height | 85 mm |
| Width | 36 mm |
| Depth | 78.5 mm |

| | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Net Weight | 200 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...35 mm ² rigid Tunnel type terminal (top or bottom) 1...25 mm ² flexible |
| Wire Stripping Length | 14 mm for top or bottom connection |
| Tightening Torque | 3.5 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 | 3.500 cm |
| Package 1 Width | 7.500 cm |
| Package 1 Length | 9.500 cm |
| Package 1 Weight | 245.500 g |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 6 |
| Package 2 Height | 8.500 cm |
| Package 2 Width | 10.000 cm |
| Package 2 Length | 22.000 cm |
| Package 2 Weight | 1.528 kg |
| Unit Type Of Package 3 | S03 |
| Number Of Units In Package 3 | 66 |
| Package 3 Height | 30.000 cm |
| Package 3 Width | 30.000 cm |
| Package 3 Length | 40.000 cm |
| Package 3 Weight | 17.234 kg |

Contractual warranty

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

Sustainability


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Transparency [RoHS/REACH](#)

Well-being performance

 [Mercury Free](#)

 [Rohs Exemption Information](#) [Yes](#)

 [Halogen Free Product](#)

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information

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