# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 iK60N, 1P, 10A, B curve, 6000A (IEC/EN 60898-1)

A9K23110

Discontinued

## 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** | 10 A at 30 °C |
| **Network type** | AC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | B |
| **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** | 3...5 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 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **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** | III |
| **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** | 7.000 cm |
| **Package 1 Length** | 9.500 cm |
| **Package 1 Weight** | 107.300 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 12 |
| **Package 2 Height** | 8.500 cm |
| **Package 2 Width** | 10.000 cm |
| **Package 2 Length** | 22.000 cm |
| **Package 2 Weight** | 1.341 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** | 15.191 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **2 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.9 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **0.9 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.3 kg CO2 eq.** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **26ff71d1-98cf-4280-8725-455b9a6b2fb9** |
| EU RoHS Directive | **Compliant** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| Halogen-free status | **Product contains halogen above thresholds** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **50** |
| End of life manual availability | **No need of specific recycling operations** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |