

Product data sheet

Characteristics

A9F45110

Miniature circuit breaker (MCB), Acti9 iC60N
DISBO, 1P, 10A, D curve, 6000A (IEC/EN
60898-1), 10kA (IEC/EN 60947-2)



Main

| | |
|---------------------------|---|
| Range | Acti9 |
| Product name | Disbo iC60 |
| Product or component type | Miniature circuit-breaker |
| Device short name | IC60N |
| Poles description | 1P |
| Number of protected poles | 1 |
| [In] rated current | 10 A |
| Network type | AC/DC |
| Trip unit technology | Thermal-magnetic |
| Curve code | D |
| Breaking capacity | 15 KA Icu at 12...60 V DC conforming to EN/IEC 60947-2 10 KA Icu at 60...72 V DC conforming to EN/IEC 60947-2 6000 A Icn at 240 V AC 50/60 Hz conforming to EN/IEC 60898-1 36 KA Icu at 10...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 KA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Utilisation category | Category A conforming to EN/IEC 60947-2 |

Complementary

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|--|---|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 240 V AC 50/60 Hz |
| Magnetic tripping limit | 12 x In +/- 20 % |
| [Ics] rated service breaking capacity | 27 KA 75 % conforming to EN/IEC 60947-2 - 10...60 V AC 50/60 Hz 15 KA 75 % conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz 7.5 KA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 6000 A 100 % conforming to EN/IEC 60898-1 - 240 V AC 50/60 Hz 15 KA 100 % conforming to EN/IEC 60947-2 - 12...48 V DC 6 kA 100 % conforming to EN/IEC 60947-2 - 72 V DC |
| Limitation class | 3 conforming to EN/IEC 60947-2 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-2 |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Trip indicator |
| Mounting mode | Clip-on |
| Mounting support | Rail |
| 9 mm pitches | 2 |
| Height | 85 mm |
| Width | 18 mm |

| | |
|--------------------------|---|
| Depth | 78.5 mm |
| Product weight | 0.125 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Provision for padlocking | Padlockable |
| Connections - terminals | Single terminal (top or bottom) 1...25 mm ² rigid Single 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 | Separate block |






Environment

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|---------------------------------------|----------------------------------|
| Standards | EN/IEC 60947-2 EN/IEC 60898-1 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Pollution degree | 3 conforming to EN/IEC 60947-2 |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative humidity | 95 % at 55 °C |
| Ambient air temperature for operation | -35...70 °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 | 7.0 cm |
| Package 1 Width | 1.5 cm |
| Package 1 Length | 9.0 cm |
| Package 1 Weight | 106.0 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 8.0 cm |
| Package 2 Width | 9.5 cm |
| Package 2 Length | 22.0 cm |
| Package 2 Weight | 1.326 kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 132 |
| Package 3 Height | 30.0 cm |
| Package 3 Width | 30.0 cm |
| Package 3 Length | 40.0 cm |
| Package 3 Weight | 15.288 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |