

Product data sheet

Characteristics

A9F44332

Miniature circuit breaker (MCB), Acti9, iC60N
 Disbo, 3P, 32A, C curve, 6000A (IEC/EN
 60898-1), 10kA (IEC/EN 60947-2)

Main

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|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range | Acti9 |
| Product name | Disbo iC60 |
| Product or component type | Miniature circuit-breaker |
| Device short name | IC60N |
| Poles description | 3P |
| Number of protected poles | 3 |
| [In] rated current | 32 A |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 6000 A Icn at 415 V AC 50/60 Hz conforming to EN/IEC 60898-1 36 KA Icu at 12...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 KA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 6 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 180 V DC 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 | 400 V AC 50/60 Hz |
| Magnetic tripping limit | 8 x In +/- 20 % |
| [Ics] rated service breaking capacity | 27 KA 75 % conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz 15 KA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 KA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 4.5 KA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 6000 A 100 % conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz 15 kA 100 % conforming to EN/IEC 60947-2 - 100...133 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 | 6 |
| Height | 85 mm |
| Width | 54 mm |
| Depth | 78.5 mm |
| Net weight | 0.375 kg |

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Provision for padlocking | Padlockable |
| Connections - terminals | Single terminal (top or bottom) 1...35 mm ² rigid Single 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 | 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 |
| Overvoltage category | IV |
| 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 | 5.400 cm |
| Package 1 Width | 7.300 cm |
| Package 1 Length | 8.900 cm |
| Package 1 Weight | 360.000 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 8.500 cm |
| Package 2 Width | 9.800 cm |
| Package 2 Length | 22.000 cm |
| Package 2 Weight | 1.497 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 | 17.059 kg |

Offer Sustainability

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|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Packaging without single use plastic | Yes |
| Packaging made with recycled cardboard | Yes |
| SCIP Number | 26ff71d1-98cf-4280-8725-455b9a6b2fb9 |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |

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|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Take-back | No |
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 49 |