



Main

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| Commercial Status | Commercialised |
| Circuit breaker application | Distribution |
| Product or component type | Circuit breaker |
| Device short name | IC60N |
| Poles description | 4P |
| Number of protected poles | 4 |
| [In] rated current | 16 A |
| Network type | AC DC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 10 kA Icu conforming to IEC 60947-2 - 180...250 V DC 10 kA Icu conforming to EN 60947-2 - 180...250 V DC 6000 A Icn conforming to IEC 60898-1 - 400 V AC 50/60 Hz 6000 A Icn conforming to EN 60898-1 - 400 V AC 50/60 Hz 6 kA Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz 6 kA Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 - 100...130 V AC 50/60 Hz 36 kA Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz 36 kA Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz 20 kA Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 20 kA Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 10 kA Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 10 kA Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz |
| Utilisation category | Category A conforming to IEC 60947-2 Category A conforming to EN 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-2 Yes conforming to IEC 60898-1 Yes conforming to EN 60947-2 Yes conforming to EN 60898-1 |

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Complementary

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| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 440 V AC 50/60 Hz 400 V AC 50/60 Hz 380...415 V AC 50/60 Hz 220...240 V AC 50/60 Hz 12...60 V AC 50/60 Hz 12...250 V DC 100...130 V AC 50/60 Hz |
| Magnetic tripping limit | 8 x In +/- 20 % |
| [Ics] rated service breaking capacity | 6 kA 100 % x Icu conforming to IEC 60947-2 - 12...250 V DC 6 kA 100 % x Icu conforming to EN 60947-2 - 12...250 V DC 4.5 kA 75 % x Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % x Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 27 kA 75 % x Icu conforming to IEC 60947-2 - 100...130 V AC 50/60 Hz 4.5 kA 75 % x Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % x Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 27 kA 75 % x Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz 27 kA 75 % x Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 27 kA 75 % x Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz |
| Limitation class | 3 conforming to IEC 60898-1 3 conforming to EN 60898-1 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz conforming to IEC 60947-2 500 V AC 50/60 Hz conforming to EN 60947-2 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-2 6 kV conforming to EN 60947-2 |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Trip indicator |
| Mounting mode | Fixed |
| Mounting support | DIN rail |
| Comb busbar distribution block compatibility | YES top or bottom |
| 9 mm pitches | 8 |
| Height | 85 mm |
| Width | 72 mm |
| Depth | 78.5 mm |
| Product weight | 0.5 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Connections - terminals | Single terminal, top or bottom flexible wire(s) 1...16 mm ² max Single terminal, top or bottom rigid wire(s) 1...25 mm ² max |
| Wire stripping length | 14 mm top or bottom |
| Tightening torque | 2 N.m top or bottom |
| Earth-leakage protection | Separate block |

Environment

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| Standards | EN 60898-1 EN 60947-2 IEC 60898-1 IEC 60947-2 |
| IP degree of protection | IP20 conforming to EN 60529 IP20 conforming to IEC 60529 |
| Pollution degree | 3 conforming to IEC 60947-2 3 conforming to EN 60947-2 |
| Overvoltage category | IV |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative humidity | 95 % (55 °C) |
| Operating altitude | 0...2000 m |
| Ambient air temperature for operation | -35...70 °C |
| Ambient air temperature for storage | -40...85 °C |

RoHS compliance

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| RoHS EUR status | Compliant |
| RoHS EUR conformity date(YYWW) | 1001 |

Contractual warranty

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| Period | 18 months |
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