# Product datasheet
## Characteristics

# A9F74216
## iC60N - miniature circuit breaker - 2P - 16A - C curve




## Main

| | |
|---|---|
| Device application | Distribution |
| Range | Acti 9 |
| Product name | Acti 9 iC60 |
| Product or component type | Miniature circuit-breaker |
| Device short name | IC60N |
| Poles description | 2P |
| Number of protected poles | 2 |
| [In] rated current | 16 A |
| Network type | DC<br>AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 6 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>10 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>20 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>6000 A Icn conforming to EN/IEC 60898-1 - 400 V AC 50/60 Hz<br>36 kA Icu conforming to EN/IEC 60947-2 - 12...60 V AC 50/60 Hz<br>10 kA Icu conforming to EN/IEC 60947-2 - <= 125 V DC<br>36 kA Icu conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz |
| Utilisation category | Category A conforming to EN 60947-2<br>Category A conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to EN 60947-2<br>Yes conforming to IEC 60947-2<br>Yes conforming to EN 60898-1<br>Yes conforming to IEC 60898-1 |
| Standards | EN 60898-1<br>IEC 60947-2<br>EN 60947-2<br>IEC 60898-1 |

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

## Complementary

| | |
|---|---|
| Network frequency | 50/60 Hz |
| Magnetic tripping limit | 8 x In +/- 20 % |
| [Ics] rated service breaking capacity | 6000 A 100 % x Icu conforming to IEC 60898-1 - 400 V AC 50/60 Hz<br>10 kA 100 % x Icu conforming to IEC 60947-2 - 72...125 V DC<br>10 kA 100 % x Icu conforming to EN 60947-2 - 72...125 V DC<br>6000 A 100 % x Icu conforming to EN 60898-1 - 400 V AC 50/60 Hz<br>4.5 kA 75 % x Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>15 kA 75 % x Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>7.5 kA 75 % x Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>4.5 kA 75 % x Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz<br>15 kA 75 % x Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>7.5 kA 75 % x Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>27 kA 75 % x Icu conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz<br>27 kA 75 % x Icu conforming to EN 60947-2 - 12...133 V AC 50/60 Hz |
| Limitation class | 3 conforming to EN 60898-1<br>3 conforming to IEC 60898-1 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz conforming to IEC 60947-2<br>500 V AC 50/60 Hz conforming to EN 60947-2 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN 60947-2<br>6 kV conforming to IEC 60947-2 |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Trip indicator |
| Mounting mode | Fixed |
| Mounting support | DIN rail |
| Comb busbar and distribution block compatibility | YES top or bottom |
| 9 mm pitches | 4 |
| Height | 85 mm |
| Width | 36 mm |
| Depth | 78.5 mm |
| Product weight | 0.25 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Connections - terminals | Single terminal, top or bottom rigid wire(s) 1...25 mm² max<br>Single terminal, top or bottom flexible wire(s) 1...16 mm² 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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|---|---|
| IP degree of protection | IP20 conforming to EN 60529<br>IP20 conforming to IEC 60529 |
| Pollution degree | 3 conforming to EN 60947-2<br>3 conforming to IEC 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 |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |

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|---|---|
| RoHS (date code: YYWW) | Compliant - since 0627 - Schneider Electric declaration of conformity<br>Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |

## Contractual warranty

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| Warranty period | 18 months |