

# A9F74201

Miniature circuit-breaker, Acti9 iC60N, 2P, 1  
A, C curve, 6000 A (IEC 60898-1), 50 kA (IEC  
60947-2)



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## 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        | 1 A  |
| Network type              | AC<br>DC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>50 KA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 KA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 KA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10 KA Icu at <= 125 V DC conforming to EN/IEC 60947-2 |
| Utilisation category      | Category A conforming to EN 60947-2<br>Category A conforming to IEC 60947-2  |
| Suitability for isolation | Yes conforming to EN 60898-1<br>Yes conforming to EN 60947-2<br>Yes conforming to IEC 60898-1<br>Yes conforming to IEC 60947-2   |
| Standards                 | IEC 60947-2<br>EN 60898-1<br>EN 60947-2<br>IEC 60898-1   |
| Quality labels            | NF   |

## Complementary

|  |  |
|--|--|
| Network frequency                                | 50/60 Hz   |
| Magnetic tripping limit                          | 8 x In +/- 20 %  |
| [Ics] rated service breaking capacity            | 50 KA 100 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>50 KA 100 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>50 KA 100 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>25 KA 100 % conforming to EN 60947-2 - 440 V AC 50/60 Hz<br>50 KA 100 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>25 KA 100 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>50 KA 100 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz<br>50 KA 100 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz<br>6000 A 100 % conforming to EN 60898-1 - 400 V AC 50/60 Hz<br>6000 A 100 % conforming to IEC 60898-1 - 400 V AC 50/60 Hz<br>10 KA 100 % conforming to IEC 60947-2 - 72...125 V DC<br>10 KA 100 % conforming to EN 60947-2 - 72...125 V DC |
| 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 EN 60947-2<br>500 V AC 50/60 Hz conforming to IEC 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 | Top or bottom: YES   |
| 9 mm pitches                                     | 4  |
| Height   | 85 Mm  |
| Width  | 36 Mm  |
| Depth  | 78.5 Mm  |

|                          |   |
|--------------------------|---|
| Net weight               | 0.25 Kg   |
| Colour                   | White   |
| Mechanical durability    | 20000 Cycles  |
| Electrical durability    | 10000 Cycles  |
| Connections - terminals  | Single terminal (top or bottom) 1...25 mm <sup>2</sup> rigid<br>Single terminal (top or bottom) 1...16 mm <sup>2</sup> 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

|                                       |   |
|---------------------------------------|---|
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP20 conforming to EN 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 % at 55 °C   |
| Operating altitude                    | 0...2000 m  |
| Ambient air temperature for operation | -35...70 °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 Weight             | 224 G    |
| Package 1 Height             | 7.2 Cm   |
| Package 1 width              | 3.5 Cm   |
| Package 1 Length             | 9.5 Cm   |
| Package 2 Weight             | 1.406 Kg |
| Package 3 Weight             | 15.95 Kg |

## Offer Sustainability

|                             |   |
|-----------------------------|---|
| Sustainable offer status    | Green Premium product   |
| REACH Regulation            | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive           | Compliant <a href="#">EU RoHS Declaration</a>   |
| Mercury free                | Yes   |
| RoHS exemption information  | <a href="#">Yes</a>   |
| China RoHS Regulation       | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>   |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Halogen content performance | Halogen free product  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Product Life Status : **Commercialised**