

# Product datasheet

Specifications



## iC60N - miniature circuit breaker - 2P - 20A - C curve

A9F74220

### Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
poles description	2P
Number of protected poles	2
[In] rated current	20 A
network type	DC AC
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 36 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 125 V DC conforming to EN/IEC 60947-2 10 kA Icu at 380...415 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 6 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2
Utilisation category	Category A conforming to EN 60947-2 Category A conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60898-1 Yes conforming to EN 60947-2 Yes conforming to IEC 60898-1 Yes conforming to IEC 60947-2
Standards	EN 60947-2 IEC 60898-1 EN 60898-1 IEC 60947-2

### Complementary

network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %

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

<b>[Ics] rated service breaking capacity</b>	15 kA 75 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 75 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 4.5 kA 75 % conforming to EN 60947-2 - 440 V AC 50/60 Hz 15 kA 75 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 75 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 4.5 kA 75 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz 27 kA 75 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz 27 kA 75 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz 6000 A 100 % conforming to EN 60898-1 - 400 V AC 50/60 Hz 6000 A 100 % conforming to IEC 60898-1 - 400 V AC 50/60 Hz 10 kA 100 % conforming to IEC 60947-2 - 72...125 V DC 10 kA 100 % conforming to EN 60947-2 - 72...125 V DC
<b>Limitation class</b>	3 conforming to EN 60898-1 3 conforming to IEC 60898-1
<b>[Ui] rated insulation voltage</b>	500 V AC 50/60 Hz conforming to EN 60947-2 500 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>local signalling</b>	Trip indicator
<b>mounting mode</b>	Fixed
<b>mounting support</b>	DIN rail
<b>Comb busbar and distribution block compatibility</b>	Top or bottom: YES
<b>9 mm pitches</b>	4
<b>Height</b>	85 mm
<b>Width</b>	36 mm
<b>Depth</b>	78.5 mm
<b>Net weight</b>	0.25 kg
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	10000 cycles
<b>Connections - terminals</b>	Single terminal (top or bottom) 1...25 mm <sup>2</sup> rigid Single terminal (top or bottom) 1...16 mm <sup>2</sup> flexible
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	2 N.m top or bottom
<b>Earth-leakage protection</b>	Separate block

## Environment

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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.500 cm
Package 1 Width	3.700 cm
Package 1 Length	9.500 cm
Package 1 Weight	225.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.300 cm
Package 2 Width	10.000 cm
Package 2 Length	22.500 cm
Package 2 Weight	1.411 kg
Unit Type of Package 3	S03
Number of Units in Package 3	66
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	16.011 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

Halogen Free Product

## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

**Eu Rohs Directive** Compliant with Exemptions

**China Rohs Regulation** [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

**Environmental Disclosure** [Product Environmental Profile](#)

**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

**Circularity Profile** No need of specific recycling operations