

# Product datasheet

Specifications



## iC60N - miniature circuit breaker - 4P - 50A - B curve

A9F73450

### Main

Device Application	Distribution
Range	Acti9
Product Name	Acti9 iC60
Product Or Component Type	Miniature circuit-breaker
Device Short Name	IC60N
Poles Description	4P
Number Of Protected Poles	4
[In] Rated Current	50 A
Network Type	DC AC
Trip Unit Technology	Thermal-magnetic
Curve Code	B
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 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 10 kA Icu at <= 250 V DC 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	IEC 60898-1 IEC 60947-2 EN 60898-1 EN 60947-2

### Complementary

Network Frequency	50/60 Hz
Magnetic Tripping Limit	4 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 - 180...250 V DC 10 kA 100 % conforming to EN 60947-2 - 180...250 V DC
<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>	8
<b>Height</b>	85 mm
<b>Width</b>	72 mm
<b>Depth</b>	78.5 mm
<b>Net Weight</b>	0.5 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...35 mm <sup>2</sup> rigid Single terminal (top or bottom) 1...25 mm <sup>2</sup> flexible
<b>Wire Stripping Length</b>	14 mm for top or bottom connection
<b>Tightening Torque</b>	3.5 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

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	7.2 cm
<b>Package 1 Width</b>	7.5 cm
<b>Package 1 Length</b>	9.5 cm
<b>Package 1 Weight</b>	494.0 g
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	3
<b>Package 2 Height</b>	8.0 cm
<b>Package 2 Width</b>	9.8 cm
<b>Package 2 Length</b>	22.5 cm
<b>Package 2 Weight</b>	1.546 kg
<b>Unit Type Of Package 3</b>	S03
<b>Number Of Units In Package 3</b>	33
<b>Package 3 Height</b>	30.0 cm
<b>Package 3 Width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm
<b>Package 3 Weight</b>	17.493 kg

## Contractual warranty

<b>Warranty</b>	12 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