

# Product datasheet

Specifications



## miniature circuit breaker - xC60 - 1 pole - 50 A - C curve

A9N1P50C

### Main

Device Application	Distribution
Range Of Product	Acti9
Range	Acti9
Product Name	XC60
Product Or Component Type	Miniature circuit-breaker
Device Short Name	xC60
Poles Description	1P
Number Of Protected Poles	1
[In] Rated Current	50 A
Network Type	AC DC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Utilisation Category	Category A conforming to EN/IEC 60947-2
Suitability For Isolation	Yes conforming to EN/IEC 60947-2

### Complementary

Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	220...240 V AC 50/60 Hz 12...48 V DC 60 V DC
Magnetic Tripping Limit	8 x In +/- 20 %
Breaking Capacity	10000 A Icn at 240 V AC 50/60 Hz conforming to EN/IEC 60898-1 15 kA Icu at 12...48 V DC conforming to EN/IEC 60947-2 6 kA Icu at 60 V DC conforming to EN/IEC 60947-2 10 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Ics] Rated Service Breaking Capacity	15 kA conforming to EN/IEC 60947-2 - 12...48 V DC 6 kA conforming to EN/IEC 60947-2 - 60 V DC 7.5 kA conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz
Limitation Class	3 conforming to EN/IEC 60898-1 3 conforming to EN/IEC 60947-2
[Uij] Rated Insulation Voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to EN/IEC 60947-2
Contact Position Indicator	Yes
Control Type	Toggle

<b>Local Signalling</b>	ON/OFF indication
<b>Mounting Mode</b>	Clip-on
<b>Mounting Support</b>	35 mm DIN rail
<b>Comb Busbar And Distribution Block Compatibility</b>	Top: YES
<b>9 Mm Pitches</b>	2
<b>Height</b>	85 mm
<b>Width</b>	18 mm
<b>Depth</b>	77.5 mm
<b>Net Weight</b>	0.115 kg
<b>Colour</b>	White
<b>Mechanical Durability</b>	20000 cycles
<b>Electrical Durability</b>	10000 cycles
<b>Connections - Terminals</b>	Biconnect (top) Tunnel type terminals (bottom) 25 mm <sup>2</sup> flexible Tunnel type terminals (bottom) 35 mm <sup>2</sup> rigid
<b>Wire Stripping Length</b>	13 mm for top or bottom connection
<b>Tightening Torque</b>	3.5 N.m
<b>Earth-Leakage Protection</b>	Separate block
<b>Product Compatibility</b>	C60 accessories C60 auxiliary

## Environment

<b>Standards</b>	EN/IEC 60947-2 EN/IEC 60898-1
<b>Ip Degree Of Protection</b>	IP20 conforming to IEC 60529
<b>Pollution Degree</b>	3
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative Humidity</b>	95 % at 55 °C
<b>Ambient Air Temperature For Operation</b>	-30...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>	2 cm
<b>Package 1 Width</b>	7.6 cm
<b>Package 1 Length</b>	8.2 cm
<b>Package 1 Weight</b>	130.0 g

## 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 >](#)

## Well-being performance

✓ Mercury Free

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✓ Rohs Exemption Information [Yes](#)

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✓ Halogen Free Plastic Parts & Cables  
Product

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

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**Eu Rohs Directive** Compliant with Exemptions

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

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