

# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 xC60, 3P, 6A, C curve, 10kA (IS/IEC60947-2)

A9N3P06CIN

### 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	3P
Number of protected poles	3
[In] rated current	6 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Utilisation category	Category A conforming to IS/IEC 60947-2
Suitability for isolation	Yes conforming to IS/IEC 60947-2

### Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 100...125 V DC
Magnetic tripping limit	8 x In +/- 20 %
Breaking capacity	10 kA Inc at 380...415 V AC 50/60 Hz conforming to IS/IEC 60947-2 15 kA Icu at 100...125 V DC conforming to IS/IEC 60947-2
[Ics] rated service breaking capacity	7.5 kA conforming to IS/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA conforming to IS/IEC 60947-2 - 100...125 V DC
Limitation class	3 conforming to IS/IEC 60947-2
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IS/IEC 60947-2
[Uimp] rated impulse withstand voltage	4 kV conforming to IS/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	35 mm DIN rail

<b>Comb busbar and distribution block compatibility</b>	Top: YES
<b>9 mm pitches</b>	6
<b>Height</b>	85 mm
<b>Width</b>	54 mm
<b>Depth</b>	77.5 mm
<b>Net weight</b>	0.31 kg
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	20000 cycles
<b>Connections - terminals</b>	Tunnel type terminals (bottom) 16 mm <sup>2</sup> flexible Tunnel type terminals (bottom) 25 mm <sup>2</sup> rigid Biconnect (bottom)
<b>Wire stripping length</b>	13 mm for top or bottom connection
<b>Tightening torque</b>	2 N.m
<b>Earth-leakage protection</b>	Separate block
<b>Product compatibility</b>	C60 accessories C60 auxiliary
<b>Overvoltage category</b>	IV

## Environment

<b>Standards</b>	IS/IEC 60947-2
<b>IP degree of protection</b>	IP20
<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>	8.1 cm
<b>Package 1 Width</b>	5.35 cm
<b>Package 1 Length</b>	7.4 cm
<b>Package 1 Weight</b>	350 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	4
<b>Package 2 Height</b>	8 cm
<b>Package 2 Width</b>	9 cm
<b>Package 2 Length</b>	23.8 cm
<b>Package 2 Weight</b>	1.462 kg
<b>Unit Type of Package 3</b>	CAR

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<b>Number of Units in Package 3</b>	48
<b>Package 3 Height</b>	27 cm
<b>Package 3 Width</b>	30 cm
<b>Package 3 Length</b>	35 cm
<b>Package 3 Weight</b>	18.144 kg

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## **Contractual warranty**

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<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint	18 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	15 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.8 kg CO2 eq.

### Use Better



### Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
Halogen-free status	Product contains halogen above thresholds
PVC free	No

### Use Longer



### Lifetime extension

Repair	No
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### Use Again



### Repack and remanufacture

Recyclability potential, in %	1
End of life manual availability	No need of specific recycling operations
Take-back	No