

Product datasheet

Specifications



miniature circuit breaker - xC60 - 3 poles - 50 A - D curve

A9N3P50D

⚠ To be discontinued on: 05-Feb-2025

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Main

Device application	Distribution
Range of product	Acti9
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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	50 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	D
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	240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 100...125 V DC
Magnetic tripping limit	12 x In +/- 20 %
Breaking capacity	10000 A Icn at 240 V AC 50/60 Hz conforming to EN/IEC 60898-1 10000 A Icn at 415 V AC 50/60 Hz conforming to EN/IEC 60898-1 6 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 100...125 V DC conforming to EN/IEC 60947-2
[Ics] rated service breaking capacity	6 kA conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA conforming to EN/IEC 60947-2 - 100...125 V DC
Limitation class	3 conforming to EN/IEC 60898-1 3 conforming to EN/IEC 60947-2
[Ui] 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

Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	35 mm DIN rail
Comb busbar and distribution block compatibility	Top: YES
9 mm pitches	6
Height	85 mm
width	54 mm
Depth	77.5 mm
Net weight	0.31 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Biconnect (top) Tunnel type terminals (bottom) 25 mm ² flexible Tunnel type terminals (bottom) 35 mm ² rigid
Wire stripping length	13 mm for top or bottom connection
Tightening torque	3.5 N.m
Earth-leakage protection	Separate block
Product compatibility	C60 accessories C60 auxiliary

Environment

Standards	EN/IEC 60898-1 EN/IEC 60947-2
Pollution degree	3
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30...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 Height	5.6 cm
Package 1 Width	7.6 cm
Package 1 Length	8.2 cm
Package 1 Weight	386 g

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.

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Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

EU RoHS Directive **Compliant with Exemptions**

REACH Regulation [REACH Declaration](#)

China RoHS Regulation [China RoHS declaration](#)

Use Again

Repack and remanufacture

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

Halogen content performance **Halogen free plastic parts & cables product**

Take-back **No**