

# Product datasheet

Specifications



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

A9N1P50B

⚠ Discontinued on: 25 October 2021

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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	1P
Number of protected poles	1
[In] rated current	50 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	B
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	4 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
[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	2
Height	85 mm
Width	18 mm
Depth	77.5 mm
Net weight	0.115 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Biconnect (top) Tunnel type terminals (bottom) 25 mm² flexible Tunnel type terminals (bottom) 35 mm² 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 60947-2 EN/IEC 60898-1
IP degree of protection	IP20 conforming to IEC 60529
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

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

Recommended replacement(s)