Product datasheet

Specifications

Miniature circuit breaker (MCB), Acti9 xC60, 4P, 20A, D curve, 10kA (IS/IEC60947-2)

A9N4P20DIN

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	4P
Number of protected poles	4
[In] rated current	20 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	D
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	415 V AC 50/60 Hz 220...250 V DC
Magnetic tripping limit	12 x In +/- 20 %
Breaking capacity	15 kA Inc at 415 V AC 50/60 Hz conforming to IS/IEC 60947-2 6 kA Icu at 220...250 V DC conforming to IS/IEC 60947-2
[Ics] rated service breaking capacity	7.5 kA conforming to IS/IEC 60947-2 - 415 V AC 50/60 Hz 6 kA conforming to IS/IEC 60947-2 - 220...250 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

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

Comb busbar and distribution block compatibility	Top: YES
9 mm pitches	8
Height	85 mm
Width	72 mm
Depth	77.5 mm
Product weight	0.415 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Connections - terminals	Tunnel type terminals (bottom) 16 mm² flexible Tunnel type terminals (bottom) 25 mm² rigid Biconnect (bottom)
Wire stripping length	13 mm for top or bottom connection
Tightening torque	2 N.m
Earth-leakage protection	Separate block
Product compatibility	C60 accessories C60 auxiliary
Overvoltage category	IV

Environment

Standards	IS/IEC 60947-2
IP degree of protection	IP20
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	8.1 cm
Package 1 Width	7.15 cm
Package 1 Length	7.4 cm
Package 1 Weight	470 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8 cm
Package 2 Width	9 cm
Package 2 Length	23.8 cm
Package 2 Weight	1.472 kg
Unit Type of Package 3	CAR

Number of Units in Package 3	36
Package 3 Height	27 cm
Package 3 Width	30 cm
Package 3 Length	35 cm
Package 3 Weight	18.264 kg

Contractual warranty

Warranty (in months)	18

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	**20 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**3 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**16 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**No**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**2**
End of life manual availability	**No need of specific recycling operations**
Take-back	**No**