Product datasheet

Specifications



Miniature circuit-breaker. Acti9 C120N. 1P. 80 A. C curve. 10 kA (IEC 60947-2)

A9N60729

Price: 653.06 ZAR

Main

Range Of Product	C120
Range	Acti9
Product Name	C120
Product Or Component Type	Miniature circuit-breaker
Device Short Name	C120N
Device Application	Distribution
Poles Description	1P
Number Of Protected Poles	1
[In] Rated Current	80 A at 40 °C
Network Type	AC DC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Breaking Capacity	15 kA Icu at 12 V DC conforming to EN/IEC 60947-2 15 kA Icu at 125 V DC conforming to EN/IEC 60947-2 10 kA Icu at <= 144 V DC conforming to EN/IEC 60947-2 10 kA Icu at 230...400 V AC 50/60 Hz conforming to EN/IEC 60947-2

Complementary

Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	125 V DC <= 144 V DC 12 V DC 230...400 V AC 50/60 Hz
Magnetic Tripping Limit	8 x In +/- 20 %
[Ics] Rated Service Breaking Capacity	7.5 kA 75 % conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 10 kA 100 % conforming to EN/IEC 60947-2 - 24/48 V DC 10 kA 100 % conforming to EN/IEC 60947-2 - 125 V DC
Limitation Class	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
Control Type	Toggle
Local Signalling	ON/OFF indication
Mounting Mode	Clip-on
Mounting Support	35 mm symmetrical DIN rail

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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	YES
9 Mm Pitches	3
Height	81 mm
Depth	73 mm
Width	27 mm
Net Weight	0.205 kg
Colour	White
Mechanical Durability	20000 cycles
Electrical Durability	5000 cycles
Connections - Terminals	Tunnel type terminals1…50 mm² rigid Tunnel type terminals1.5…35 mm² flexible
Wire Stripping Length	15 mm
Tightening Torque	3.5 N.m
Earth-Leakage Protection	Without

Environment

Standards	EN/IEC 60947-2
Ip Degree Of Protection	IP20 conforming to IEC 60529
Pollution Degree	3 conforming to IEC 60947-2
Overvoltage Category	III
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…80 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.500 cm
Package 1 Width	2.700 cm
Package 1 Length	8.600 cm
Package 1 Weight	193.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	9.500 cm
Package 2 Width	8.500 cm
Package 2 Length	33.000 cm
Package 2 Weight	2.573 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	72
Package 3 Height	30.000 cm

Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	15.925 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} 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_2 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 >



Transparency



RoHS/REACh

Well-being performance

Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations