Product data sheet
Characteristics

A9N18376
Miniature circuit-breaker, Acti9 C120N, 4P, 125 A, C curve, 10000 A (IEC 60898-1), 10 kA (IEC 60947-2)

Main

Range of product	C120
Range	Acti 9
Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120N
Device application	Distribution
Poles description	4P
Number of protected poles	4
[In] rated current	125 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10000 A Icn at 230...400 V AC 50/60 Hz conforming to EN/IEC 60898-1 6 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 KA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 500 V DC conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	380...415 V AC 50/60 Hz <= 500 V DC 220...240 V AC 50/60 Hz 440 V AC 50/60 Hz 230...400 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	7500 A 75 % conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz 4.5 KA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 7.5 KA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 KA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10 kA 100 % conforming to EN/IEC 60947-2 - <= 500 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
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	NO

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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9 mm pitches	12
Height	81 mm
Width	108 mm
Depth	73 mm
Net weight	0.82 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
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	Separate block

Environment

Standards	EN/IEC 60947-2 EN/IEC 60898-1
Product certifications	EAC
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25…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 Weight	776 g
Package 1 Height	7.6 cm
Package 1 width	8.6 cm
Package 1 Length	10.6 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Weight	2.39 kg
Package 2 Height	8.4 cm
Package 2 width	9.4 cm
Package 2 Length	33.2 cm
Unit Type of Package 3	S03
Number of Units in Package 3	18
Package 3 Weight	14.87 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes

China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months