



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	1P
Number of protected poles	2
[In] rated current	80 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	20 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 15 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 3 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz IT 10 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz 10000 A Icn conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz
Suitability for isolation	Yes conforming to IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	12 V AC 50/60 Hz 12 V DC 125 V DC 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 130 V AC 50/60 Hz 230...400 V AC 50/60 Hz <= 144 V DC
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 125 V DC 2.25 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V DC 10 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - <= 144 V DC 7.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz 7500 A at 75 % of breaking cap. conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz
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

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Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail
Comb busbar distribution block compatibility	YES
9 mm pitches	3
Height	81 mm
Width	27 mm
Depth	73 mm
Product weight	0.205 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
Connections - terminals	
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Without

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 % 55 °C
operating altitude	2000 m
ambient air temperature for operation	-25...70 °C
ambient air temperature for storage	-40...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations