



Main

Commercial Status	Commercialised
Circuit breaker application	Distribution
Range of product	C120
Product or component type	Circuit breaker
Device short name	C120N
Poles description	3P
Number of protected poles	3
[In] rated current	80 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu conforming to EN/IEC 60947-2 - <= 375 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 6 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz
Suitability for isolation	Yes conforming to IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	415 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	15 kA 75 % x Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 4.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 440 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
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	9
Height	81 mm
Width	81 mm
Depth	73 mm
Product weight	0.615 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
Connections - terminals	Tunnel type terminals flexible wire(s) 1.5...35 mm ² max Tunnel type terminals rigid wire(s) 1...50 mm ² max
Wire stripping length	15 mm

Tightening torque	3.5 N.m
Earth-leakage protection	Separate block

Environment

Standards	EN/IEC 60947-2 IEC 60898-1
Product certifications	GOST
Quality labels	NF
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Electrical shock protection class	Class III
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	Not Green Premium product
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations