

Product datasheet

Characteristics

A9N19819

C120H circuit breakers, C curve, 100A, 4P, 10kA, 12 mod width



Main

Range of product	Acti 9
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Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120H
Poles description	4P
Device application	Distribution
Number of protected poles	4
[In] rated current	100 A (Tref=30 °C)
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	Icu=6 kA (440 V AC, 50/60 Hz, conforming to IEC 60947-2) Icu=20 kA (230...240 V AC, 50/60 Hz, conforming to IEC 60947-2) Icu=10 kA (400...415 V AC, 50/60 Hz, conforming to IEC 60947-2) Icn=10000 A (400 V AC, 50/60 Hz, conforming to IEC 60898-1)
Suitability for isolation	Yes (conforming to IEC 60947-2)

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

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	400 V, AC 50/60 Hz
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	Ics=4.5 kA, (Ics=75 %Icn/Icu, conforming to IEC 60947-2), 440 V AC, 50/60 Hz Ics=15 kA, (Ics=75 %Icn/Icu, conforming to IEC 60947-2), 230...240 V AC, 50/60 Hz Ics=7.5 kA, (Ics=75 %Icn/Icu, conforming to IEC 60947-2), 400...415 V AC, 50/60 Hz
Limitation class	3 conforming to IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV (conforming to IEC 60947-2)
Contact position indicator	Yes

Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	12
Height	86 mm
Depth	73 mm
Product weight	820 g
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Connections - terminals	Rigid, without cable end : 1...50 mm ² . (tunnel type terminals, top or bottom) Flexible, with or without cable end : 1.5...35 mm ² . (tunnel type terminals, top or bottom)
Wire stripping length	14 mm power circuit
Tightening torque	3.5 N.m power circuit
Earth-leakage protection	Separate block

Environment

Standards	IEC 60898-1 GB 10963.1
Product certifications	CCC CE
IP degree of protection	IP20 (conforming to IEC 60529)
Pollution degree	3 (conforming to IEC 60947-2)
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...80 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available