Product data sheet
Characteristics

18398
C120 - circuit breaker - C120H - 1P - 32A - B curve

Main

Circuit breaker application	Distribution
Range of product	C120
Product or component type	Circuit breaker
Device short name	C120H
Poles description	1P
Number of protected poles	1
[In] rated current	32 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	15 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 4.5 kA Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz IT 15 kA Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 30 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 15000 A Icn conforming to 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
Magnetic tripping limit	3...5 x In
[Ics] rated service breaking capacity	15 kA 100 % x Icu conforming to EN/IEC 60947-2 - 125 V DC 15 kA 100 % x Icu conforming to EN/IEC 60947-2 - 24/48 V DC 2.25 kA 50 % x Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz 7.5 kA 50 % x Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 15 kA 50 % x Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 7500 A 50 % x Icu conforming to IEC 60898-1 - 230...400 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 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	3
Height	81 mm
Width	27 mm
Depth	73 mm
Product weight	0.205 kg
Mechanical durability	20000 cycles
Electrical durability	10000 cycles conforming to IEC 60947-2

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.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Connections - terminals	Tunnel type terminals flexible wire(s) 1.5...35 mm² max Tunnel type terminals rigid wire(s) 1...50 mm² max
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Without

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
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-30...60 °C
Ambient air temperature for storage	-40...70 °C

Contractual warranty

Period	18 months