

S804N-C100 High Performance MCB



General Information

Extended Product Type	S804N-C100
Product ID	2CCS894001R0824
EAN	7612271204747
Catalog Description	S804N-C100 High Performance MCB
Long Description	The S804N-C100 is a 4-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 100 A. It is a current limiting device with a maximum breaking capacity of 36kA at 240/415V. It can be used for voltages up to 400/690V and in DC as well. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S804N-C100 complies with IEC/EN 60947-2 and allows the use for industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S804N-C100 more comfortable. Due to the fast arc extinction of S804N-C100 your application will be secured.

— Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020

Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208	
Instructions and Manuals	2CCC413016M0008	
Dimension Diagram	2CCC413003C0201	

Dimensions

Product Net Width	106 mm	
Product Net Depth / Length	82.5 mm	
Product Net Height	95 mm	
Product Net Weight	980 g	

— Technical

Standards	IEC/EN 60947-2
Number of Poles	4
Tripping Characteristic	C
Rated Current (I _n)	100 A

S804N-C100

Rated Insulation Voitage (U) 690 V AC Rated Frequency (f) 50 / 60 Hz Rated Ultimate Short-Circuit Breaking Capacity (I _{op}) (240 / 415 V AC) 36 kA (254 / 440 V AC) 20 kA (260 / 415 V AC) 36 kA (254 / 440 V AC) 20 kA (260 / 415 V AC) 36 kA (254 / 440 V AC) 20 kA (200 / 15 V AC) 30 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (125 V DC) 20 kA (240 / 415 V AC) 30 kA (125 V DC) 20 kA (240 / 415 V AC) 30 kA (125 V DC) 20 kA (125 V DC) 20 kA Overvoltage Category IV Pollution Degree 3 Rated Impulse Withstand Voltage (U _{imp}) 8 kV Housing Material Insulation group I, RAL 7035 Contact Position Indication ON / OFF / TRIP Degree of Protection aco. to IEC 60529 IP20 Remarks Connection from top and botom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive serew Electrical Endurance 6000 cycle Terminal Type Screw Terminals Connecting Capacity Stranded 1 50 mm ² Tightening Torque 3.5 N·m 31 in ib 31 in ib <	Rated Operational Voltage	400/690 V AC 375 V DC
Rated Frequency (f) 50 / 60 Hz Rated Ultimate Short-Circuit Breaking Capacity (low) (240 / 415 V AC) 36 kA (254 / 440 V AC) 20 kA (400 / 690 V AC) 20 kA (400 / 690 V AC) 4.5 kA (500 V DC) 20 kA Rated Service Short-Circuit Breaking Capacity (low) (240 / 415 V AC) 30 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (254 / 440 V AC) 10 kA Pollution Indication ON / OFF / TRIP Degree of Protection acc. to IEC 60529 IP20 Remarks Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw Electrical Endurance 6000 cycle Terminal Type Scr	Power Loss	at Rated Operating Conditions per Pole 8 W
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Connecting Capacity Stranded 1 50 mm ² Flexible 1 70 mm ² Tightening Torque 3.5 N·m 31 in·lb Recommended Screw Driver Pozidriv 2 Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715		4000 cycle
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31 in·lb Recommended Screw Driver Pozidriv 2 Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715	Connecting Capacity	
Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715	Tightening Torque	
TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715	Recommended Screw Driver	Pozidriv 2
Mounting Position Any	Mounting on DIN Rail	
	Mounting Position	Any

Environmental

Ambient Air Temperature	Operation -25 +60 °C Storage -40 +70 °C
Resistance to Shock acc. to IEC 60068-2-27	5 g 30 ms
Resistance to Vibrations acc. to IEC 60068-2-6	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le
Environmental Conditions	Damp Heat Cyclic acc. to IEC 60068-2-30 12+12 cycle
	Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96%
	Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100%
	Dry Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C
	Dry Heat Test B acc. to IEC 60068-2-2 2 hour @ 70 °C
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC413016D0601
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC413008D0206

S804N-C100

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	111 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	1010 g
Package Level 1 EAN	7612271204747
Package Level 2 Units	1

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Classifications

Object Classification Code	F
ETIM 4	EC000042 - Miniature circuit breaker (MCB)
ETIM 5	EC000042 - Miniature circuit breaker (MCB)
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs

