S804N-C63

S804N-C63 High Performance MCB



General Information

Extended Product Type	S804N-C63
Product ID	2CCS894001R0634
EAN	7612271204723
Catalog Description	S804N-C63 High Performance MCB
Long Description	The S804N-C63 is a 4-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 63 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-C63 complies with IEC/EN 60898-1 and IEC/EN 60947-2 and allows the use for residential, commercial and industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S804N-C63 more comfortable. Due to the fast arc extinction of S804N-C63 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 IEC/EN 60898-1
Number of Poles	4
Tripping Characteristic	C
Rated Current (I_n)	63 A

Rated Operational Voltage	400/690 V AC 375 V DC
Power Loss	at Rated Operating Conditions per Pole 6.4 W
Rated Insulation Voltage (U_i)	690 V AC
Operational Voltage	Maximum 230/400 V AC Minimum 12 V AC
Rated Frequency (f)	50 / 60 Hz
Rated Short-Circuit Capacity (I_{cn})	(230 / 400 V AC) 20 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(240 / 415 V AC) 36 kA (254 / 440 V AC) 20 kA (400 / 690 V AC) 4.5 kA (500 V DC) 20 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(240 / 415 V AC) 30 kA (254 / 440 V AC) 15 kA (400 / 690 V AC) 3 kA (125 V DC) 20 kA
Energy Limiting Class	3
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	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
	4000 cycle
Terminal Type	Screw Terminals
Connecting Capacity	Stranded 1 ... 50 mm² Flexible 1 ... 70 mm²
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
Mounting Position	Any

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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 Ie
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

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Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC413016D0601
Environmental Information	2CCY413207D0203

Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC413008D0206

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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	7612271204723
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)

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Categories

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

