

PRODUCT-DETAILS

S802S-C100 S802S-C100 High Performance MCB



General Information	
Extended Product Type	\$802S-C100
Product ID	2CCS862001R0824
EAN	7612271200701
Catalog Description	S802S-C100 High Performance MCB
Long Description	The S802S-C100 is a 2-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 50kA 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 S802S-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 S802S-C100 more comfortable. Due to the fast arc extinction of S802S-C100 your application will be secured.

Technical	
Standards	IEC/EN 60947-2
Number of Poles	2
Number of Protected Poles	2
Tripping Characteristic	C
Rated Current (In)	100 A
Rated Operational Voltage	400/690 V AC 250 V DC
Power Loss	16 W at Rated Operating Conditions per Pole 8 W

Rated Frequency (f) 5060 Hz Rated Short-Circuit (400 V) 25 KA Capacity (I _{cn}) (230 V) 25 KA Rated Ultimate Short- (240 / 415 V AC) 50 LA Circuit Breaking (254 / 440 V AC) 30 KA Capacity (I _{cu}) (260 V 25 KA Rated Service Short- (240 / 415 V AC) 50 LA Circuit Breaking (254 / 440 V AC) 35 KA Capacity (I _{cu}) (260 / 400 V AC) 45 LA Capacity (I _{cu}) (264 / 440 V AC) 35 KA Capacity (I _{cu}) (264 / 40 V AC) 35 KA Capacity (I _{cu}) (264 / 40 V AC) 35 KA Capacity (I _{cu}) (264 / 40 V AC) 35 KA Capacity (I _{cu}) (400 / 690 V AC) 4 LA Capacity (I _{cu}) (125 V DC) 30 KA Energy Limiting Class 3 Overvoltage Category (V Pollution Degree 3 Rated Impulse 8 kV Withstand Voltage (U _{Imp}) 1/ O Duosing Material Insulation group I, RAL 7035 Actuator Marking 1/ O Degree of Protection IP20 Remarks Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage	Rated Insulation Voltage (Ui)	690 V AC
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Connecting Capacity Rigid 0 50 mm ² Flexible 0 70 mm ² Tightening Torque Recommended Screw Driver 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		4000 cycle
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	Mounting Position	Any
	Built-In Depth (t ₂)	82.5 mm

Environmental	
Ambient Air Temperature	Operation -2560 °C
Reference Ambient Air Temperature	acc. to IEC60947-2 30 °C acc. to EN60898-1 30 °C
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

Technical UL/CSA	
Interrupting Rating acc.	(240 V AC) 30 kA
to UL1077	(480Y / 277 V AC) 14 kA
	(600Y / 347 V AC) 6 kA

Dimensions	
Product Net Width	54 mm
Product Net Depth / Length	82.5 mm
Product Net Height	95 mm
Product Net Weight	490 g

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	60 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	510 g
Package Level 1 EAN	7612271200701

1 piece
85362020
807157315

Certificates and Declarations (Document Number)	
Declaration of Conformity - CE	2CCC413016D0601
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC413016D0601 9AKK107680A3903

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

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

Categories

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

