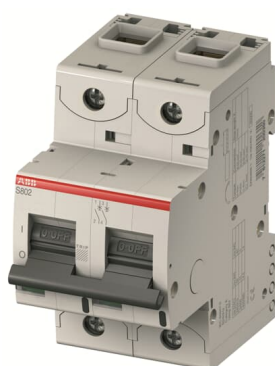


PRODUCT-DETAILS

S802S-K100

S802S-K100 High Performance MCB



General Information

Extended Product Type	S802S-K100
Product ID	2CCS862001R0637
EAN	7612271201661
Catalog Description	S802S-K100 High Performance MCB

Long Description

The S802S-K100 is a 2-pole High Performance Circuit breaker with K-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-K100 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-K100 more comfortable. Due to the fast arc extinction of S802S-K100 your application will be secured.

Technical

Standards	IEC/EN 60947-2
Product Name	High Performance MCB
Tripping Characteristic	K
Type of Residual Current	standard version
Rated Voltage (U_r)	230 / 400 V
Rated Operational Voltage	400/690 V AC 250 V DC acc. to IEC 60898-1 400 V
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 690 V

Rated Impulse Withstand Voltage (U_{imp})	8 kV
Input Voltage Type	AC
Rated Current (I_n)	100 A
Rated Operational Current (I_e)	100 A
Rated Short-Circuit Capacity (I_{cn})	(400 V) 25 kA (230 V) 25 kA
Rated Ultimate Short- Circuit Breaking Capacity (I_{cu})	(240 / 415 V AC) 50 kA (254 / 440 V AC) 30 kA (400 / 690 V AC) 4.5 kA (125 V DC) 30 kA (230 V) 50 kA
Rated Conditional Short- Circuit Current (I_{nc})	(230 V) 50 kA (400 V) 50 kA
Rated Service Short- Circuit Breaking Capacity (I_{cs})	(240 / 415 V AC) 40 kA (254 / 440 V AC) 15 kA (400 / 690 V AC) 4 kA (125 V DC) 30 kA
Frequency (f)	50 ... 60 Hz
Rated Frequency (f)	50...60 Hz
Power Loss	18.8 W at Rated Operating Conditions per Pole 9.4 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Electrical Endurance	6000 cycle 6000 cycle
Number of Poles	2
Number of Protected Poles	2
Overvoltage Category	IV
Tightening Torque	3.5 N·m 31 in·lb
Release Type	K
Actuator Marking	I / O
Housing Material	Insulation group I, RAL 7035
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
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Connecting Capacity	Rigid 0 ... 50 mm ² Flexible 0 ... 70 mm ²
Terminal Type	Screw Terminals

Environmental

Ambient Temperature	-25...60 °C
Ambient Air Temperature	Operation -25...60 °C
Reference Ambient Air Temperature	acc. to IEC60947-2 40 °C acc. to EN60898-1 40 °C
Degree of Protection	IP20
Pollution Degree	3
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

Resistance to Vibrations acc. to IEC 60068-2-6	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	2CCY413207D0203

Technical UL/CSA

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

Width in Number of Modular Spacings	3
Product Net Width	54 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	490 g
Product Net Length	54 mm
Size	2 modules
Built-In Depth (t ₂)	82.5 mm

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Height	99 mm
Package Level 1 Depth / Length	60 mm
Package Level 1 Gross Weight	510 g
Package Level 1 EAN	7612271201661

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362090
E-Number (Finland)	3212334
E-Number (Switzerland)	807857315
Country of Origin	Switzerland (CH)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC005083D0202
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC005083D0202, 9AKK107680A3903

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

Classifications	
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
Object Classification Code	F

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

