

S803S-K100



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

General Information

Extended Product Type:	S803S-K100
Product ID:	2CCS863001R0637
EAN:	7612271201784
Catalog Description:	S803S-K100 High Performance MCB
Long Description:	<p>The S803S-K100 is a 3-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 S803S-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 S803S-K100 more comfortable. Due to the fast arc extinction of S803S-K100 your application will be secured.</p>

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362020

Popular Downloads

Data Sheet, Technical Information:	2CCC413003C0203
Instructions and Manuals:	2CCC413016M0004
Dimension Diagram:	2CCC413003C0201

Dimensions

Product Net Width:	81 mm
Product Net Depth:	82.5 mm
Product Net Height:	95 mm
Product Net Weight:	735 g

Technical

Standards:	IEC/EN 60947-2
Number of Poles:	3
Tripping Characteristic:	K
Rated Current (I_n):	100 A

Rated Operational Voltage:	400/690 V AC 375 V DC
Power Loss:	at Rated Operating Conditions per Pole 9.4 W
Rated Insulation Voltage (U_i):	690 V AC
Rated Frequency (f):	50 / 60 Hz
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
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
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
Mechanical Endurance (N_{endu}):	6000 cycle
Terminal Type:	Screw Terminals
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
Mounting Position:	Any

Environmental

Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +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 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 2002/95/EC August 18, 2005 and amendment

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

Certificates and Declarations (Document Number)

Declaration of Conformity - CE: 2CCC413016D060

Environmental Information: 2CCY413207D0202

Instructions and Manuals: 2CCC413016M0004

RoHS Information: 2CCC413008D0206

Container Information

Package Level 1 Units: 1 piece

Package Level 1 Width: 105 mm

Package Level 1 Length: 86 mm

Package Level 1 Height: 99 mm

Package Level 1 Gross Weight: 770 g

Package Level 1 EAN: 7612271201784

Package Level 2 Units: 1

Classifications

Object Classification Code: F

E-number: 2101610

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)

