



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

General Information	
Extended Product Type:	S803S-C50
Product ID:	2CCS863001R0504
EAN:	7612271200794
Catalog Description:	S803S-C50 High Performance MCB
Long Description:	The S803S-C50 is a 3-pole High Performance Circuit breaker with C-chara cteristic, with cage terminal and a rated current of 50 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 n and the electromechanic tripping mechanism for short circuit protection. The S803S-C50 complies with IEC/EN 60898-1 and IEC/EN 60947-2 and a llows 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 S803S-C50 more comfortable. Due to the fast arc extinction of S803S-C50 your application will be secured.

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
	IEC/EN 60898-1
	UL 1077
Number of Poles:	3
Tripping Characteristic:	C

Rated Current (I _n):	50 A
Rated Operational Voltage:	400/690 V AC 375 V DC
Power Loss:	at Rated Operating Conditions per Pole 4.3 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) 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) 6 kA (125 V DC) 30 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs}):	(240 / 415 V AC) 40 kA (254 / 440 V AC) 22.5 kA (400 / 690 V AC) 4 kA (125 V DC) 30 kA
Energy Limiting Class:	3
Overvoltage Category:	IV
Pollution Degree:	3
Rated Impulse Withstand Voltage (U _{imp}):	8 kV
	8 kV Insulation group I, RAL 7035
(U _{imp}):	
(U _{imp}): Housing Material:	Insulation group I, RAL 7035
(U _{imp}): Housing Material: Contact Position Indication:	Insulation group I, RAL 7035 ON / OFF / TRIP
(U _{imp}): Housing Material: Contact Position Indication: Degree of Protection:	Insulation group I, RAL 7035 ON / OFF / TRIP acc. to IEC 60529 IP20 Connection from top and bottom Connecting with CU only IP40 in enclosure with cover
(U _{imp}): Housing Material: Contact Position Indication: Degree of Protection: Remarks:	Insulation group I, RAL 7035 ON / OFF / TRIP acc. to IEC 60529 IP20 Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
(U _{imp}): Housing Material: Contact Position Indication: Degree of Protection: Remarks: Electrical Endurance:	Insulation group I, RAL 7035 ON / OFF / TRIP acc. to IEC 60529 IP20 Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw 6000 cycle
(U _{imp}): Housing Material: Contact Position Indication: Degree of Protection: Remarks: Electrical Endurance: Mechanical Endurance (N _{endu}):	Insulation group I, RAL 7035 ON / OFF / TRIP acc. to IEC 60529 IP20 Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw 6000 cycle 4000 cycle
(U _{imp}): Housing Material: Contact Position Indication: Degree of Protection: Remarks: Electrical Endurance: Mechanical Endurance (N _{endu}): Terminal Type:	Insulation group I, RAL 7035 ON / OFF / TRIP acc. to IEC 60529 IP20 Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw 6000 cycle 4000 cycle Screw Terminals Stranded 1 50 mm ²
(U _{imp}): Housing Material: Contact Position Indication: Degree of Protection: Remarks: Electrical Endurance: Mechanical Endurance (N _{endu}): Terminal Type: Connecting Capacity:	Insulation group I, RAL 7035 ON / OFF / TRIP acc. to IEC 60529 IP20 Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw 6000 cycle 4000 cycle Screw Terminals Stranded 1 50 mm ² Flexible 1 70 mm ²
(U _{imp}): Housing Material: Contact Position Indication: Degree of Protection: Remarks: Electrical Endurance: Mechanical Endurance (N _{endu}): Terminal Type: Connecting Capacity: Tightening Torque:	Insulation group I, RAL 7035ON / OFF / TRIPacc. to IEC 60529 IP20Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw6000 cycle4000 cycleScrew TerminalsStranded 1 50 mm² Flexible 1 70 mm²3.5 N·m 31 in·lb

Resistance to Vibrations acc. to 2 - 13.2 H2 / 1mm IEC 60068-2-6: 13.2 - 100Hz / 0.7g with load 100% x le Environmental Conditions: Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-100% Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-100% Dy Heat Test B acc. to IEC 60068-2-30 55°C @ 90-100% Dy Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C Dry Heat Test B acc. to IEC 60068-2-30 bour @ 70 °C RoHS Status: Following EU Directive 2002/95/EC August 18, 2005 and amendment Technical UL/CSA Interrupting Rating acc. to (480Y / 277 V AC) 14 kA UL1077: (600Y / 347 V AC) 6 kA Certificates and Declarations (Document Number) Declaration of Conformity - CE: 2CCC413016D060 Environmental Information: 2CCC413016D0004 RoHS Information: 2CCC413016M0004 RoHS Information: 2CCC413016M0004 RoHS Information: 2CCC413016M0004 Package Level 1 Units: 1 piece Package Level 1 Units: 1 piece Package Level 1 Hight: 99 mm Package Level 1 Hight: 99 mm Package Level 1 Height: 99 mm Package Level 1 Height: <th>Ambient Air Temperature:</th> <th>Operation -25 +60 °C Storage -40 +70 °C</th>	Ambient Air Temperature:	Operation -25 +60 °C Storage -40 +70 °C
Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-96% Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-96% Dry Heat Test B acc. to IEC 60068-2-30 25°C @ 90-96% Dry Heat Test B acc. to IEC 60068-2-21 hour @ 70 °CRoHS Status:Following EU Directive 2002/95/EC August 18, 2005 and amendmentTechnical UL/CSAInterrupting Rating acc. to 		13.2 - 100Hz / 0.7g
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Interrupting Rating acc. to UL1077:(480Y / 277 V AC) 14 kA (600Y / 347 V AC) 6 kACertificates and Declarations (Document Number)Declaration of Conformity - CE:2CCC413016D060Environmental Information:2CCY413207D0202Instructions and Manuals:2CCC413016M0004RoHS Information:2CCC413008D0206Container InformationPackage Level 1 Units:1 piecePackage Level 1 Width:105 mmPackage Level 1 Height:99 mmPackage Level 1 Height:99 mmPackage Level 1 Height:99 mmPackage Level 1 EAN:7612271200794Package Level 2 Units:1ClassificationsObject Classification Code:FE-nummer:2101567ETIM 4:ETIM 5:EC000042 - Miniature circuit breaker (MCB)ETIM 6:ETIM 6:EC000042 - Miniature circuit breaker (MCB)	RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
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	ETIM 7:	EC000042 - Miniature circuit breaker (MCB)

