

PRODUCT-DETAILS

S803C-C63

S803C-C63 High Performance MCB



General Ir	formation
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Extended Product Type	S803C-C63
Product ID	2CCS883001R0634
EAN	7612271213428
Catalog Description	S803C-C63 High Performance MCB

Long Description

The S803C-C63 is a 3-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 25kA at 240/415V. It can be used for voltages up to 254/440V 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 S803C-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 S803C-C63 more comfortable. Due to the fast arc extinction of S803C-C63 your application will be secured.

Technical

Standards	IEC/EN 60947-2
	IEC/EN 60898-1
	UL 1077
Number of Poles	3
Number of Protected	3
Poles	
Tripping Characteristic	С
Rated Current (In)	63 A
Rated Operational	254/440 V AC
Voltage	375 V DC

Rated Insulation Voltage (Us) Operational Voltage Maximum 230/400 V AC Minimum 230/400 V AC Minimum 230/400 V AC Minimum 23 V AC Rated Frequency (f) Source Rated Frequency (f) Rated Short-Circuit (400 V) 15 kA Rated Unimate Short-Circuit Capacity (1,0) Contact Position Contact	Power Loss	19.2 W at Rated Operating Conditions per Pole 6.4 W
Minimum 12 V AC Rated Fhort-Circuit	Rated Insulation Voltage (U _i)	
Rated Short-Circuit (20 V) 15 kA Capacity (Icn) (2an V) 15 kA Capacity (Icn) (240 / 415 V AC) 25 kA Circuit Breaking (254 / 440 V AC) 16 kA Capacity (Icn) (375 V DC) 10 kA Rated Service Short (240 / 415 V AC) 18 kA Capacity (Icn) (255 / 440 V AC) 16 kA Capacity (Icn) (255 / 440 V AC) 16 kA Capacity (Icn) (257 V DC) 10 kA Capacity (Icn) (257 V DC) 10 kA Capacity (Icn) (257 V DC) 10 kA Capacity (Icn) (258 V DC) 10 kA Capacity (Icn) (259 V DC) 10 kA Capacity (Icn) (250 V DC) (250 V D	Operational Voltage	Maximum 230/400 V AC Minimum 12 V AC
Capacity (Iran) (230 V) 15 kA Rated Ultimate Short- (240 / 415 V AC) 25 kA Circuit Breaking (294 / 440 V AC) 15 kA Capacity (Iran) (375 V DC) 10 kA Rated Service Short- (240 / 415 V AC) 18 kA Circuit Breaking (254 / 440 V AC) 10 kA Capacity (Iran) (254 / 440 V AC) 10 kA Energy Limiting Class 3 Overvoitage Category IN Pollution Degree 3 Rated Impulse 8 kW Withstand Voltage (Ump 1 V Housing Material Insulation group I, RAL 705 Actuator Marking Insulation State 10 Connection From top and bottom Connecting with Colony P40 in enclosure with cover Cage terminal with captive screw Electrical Endurance Goonection from top and bottom Connecting with Col only P40 in enclosure with cover Cage terminal with captive screw Electrical Endurance Good cycle Electrical Endurance 4000 cycle 3.8 N m Electrical Endurance Figid 0 50 mm² Electrical Endurance 6000 cycle Terminal Type Scare Terminals Connecting Capacity Rigid 0 50 mm² Flightening Torque <	Rated Frequency (f)	5060 Hz
Circuit Breaking (254 / 1440 V AC) 15 kA Capacity (I _{Cu}) (375 V DC) 10 kA Rated Service Short- (240 / 185 V AC) 18 kA Circuit Breaking (254 / 240 V AC) 18 kA Capacity (I _{Cu}) (255 V DC) 10 kA Energy Limiting Class 3 Overvoltage Category IN Pollution Degree 3 Rated Impulse 8 kV Withstand Voltage (U _{imp}) 1 Housing Material Insulation group I, RAL 7055 Actuator Marking 0 / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 /	Rated Short-Circuit Capacity (I _{cn})	(400 V) 15 kA (230 V) 15 kA
Circuit Breaking (254 / 440 V AC) 10 kA Capacity (I _{Cs}) (125 V DC) 10 kA Energy Limiting Class 3 Overvoltage Category IV Pollution Degree 3 Rated Impulse 8 kW Withstand Voltage (Uimp) 1 OHOUSING Material Insulation group I, RAL 7035 Actuator Marking 1 / O Contact Position Indication ON / OFF / TRIP Indication Degree of Protection IP20 Remarks Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal With captries screw Electrical Endurance 6000 cycle Terminal Type Screw Terminals Connecting Capacity Rigid 0 50 mm² Flexible 0 70 mm² Flexibl	Rated Ultimate Short- Circuit Breaking Capacity (I _{cu})	(240 / 415 V AC) 25 kA (254 / 440 V AC) 15 kA (375 V DC) 10 kA
Overvoltage Category Pollution Degree Rated Impulse Withstand Voltage (Ulmp) Housing Material Actuator Marking Contact Position ON / OFF / TRIP Indication Degree of Protection Remarks Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw Electrical Endurance Electrical Endurance Electrical Type Screw Terminals Connecting Capacity Rigid 0 50 mm² Flexible 0 70 mm² Tightening Torque Remarks 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 Built-In Depth (t.2) Reference Ambient Air Temperature Reference Ambient Air Temperature Resistance to Shock acc. to IEC 60068-2-27 Resistance to Shock acc. to IEC 60068-2-27 Resistance to Vibrations 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x lee Resistance to Ubirations Resistance to Vibrations 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x lee Resistance to Vibrations	Rated Service Short- Circuit Breaking Capacity (I _{cs})	(240 / 415 V AC) 18 kA (254 / 440 V AC) 10 kA (125 V DC) 10 kA
Pollution Degree 3 Rated Impulse Withstand Voltage (Uimp) Housing Material Insulation group I, RAL 7035 Actuator Marking	Energy Limiting Class	3
Rated Impulse Withstand Voltage (Uimp) Housing Material Insulation group I, RAL 7035 Actuator Marking Infoication Degree of Protection ON / OFF / TRIP Indication Degree of Protection Pro	Overvoltage Category	IV
Withstand Voltage (Uimp) Housing Material Insulation group I, RAL 7035 Actuator Marking 1/0 Contact Position ON / OFF / TRIP Indication ON / OFF / TRIP Indication Degree of Protection Pizzo Remarks Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw Electrical Endurance 6000 cycle Terminal Type Screw Terminals Connecting Capacity Rigid 0 50 mm² Flexible 0 70 mm² Tightening Torque 3.5.5 Nm Tightening Torque 3.5.5 Nm Nounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 Mounting Position Any Built-In Depth (t2) 82.5 mm Environmental Environmental Ambient Air Operation -2560 °C Temperature Reference Ambient Air acc, to IEC 60947-2 30 °C Temperature Cacc. to EN60898-1 30 °C Resistance to Shock acc. 5 9g Resistance to Vibrations 2-13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x lex Resistance to Vibrations 2-13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x lex Pages of Temperature Note of Tight Product of Tight P	Pollution Degree	3
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Indication Degree of Protection Remarks Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw. Electrical Endurance Electrical Endurance Screw Terminals Connecting Capacity Rigid 0 50 mm² Flexible 0 70 mm² 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 Built-In Depth (t2) Environmental Ambient Air Temperature Reference Ambient Air Temperature Reference Ambient Air Temperature Resistance to Shock acc. 5 g to IEC 60068-2-27 30 ms Resistance to Shock acc.	Actuator Marking	1/0
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Terminal Type Screw Terminals Connecting Capacity Rigid 0 50 mm² Flexible 0 70 mm² Tightening Torque S.5 N-m 31 in-lb Recommended Screw 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 Built-In Depth (t₂) Environmental Ambient Air Temperature Reference Ambient Air Temperature Reference Ambient Air Temperature Reference Ambient Air Temperature Reference Ambient Air Temperature Resistance to Shock acc. Temperature Resistance to Vibrations 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x let 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x let	Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
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Connecting Capacity Rigid 0 50 mm² Flexible 0 70 mm² Flexible 0 70 mm² Tightening Torque 3.5 N·m 31 in·lb Recommended Screw Pozidriv 2 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Mounting Position Any Built-In Depth (t2) Environmental Ambient Air Operation -2560 °C Temperature Reference Ambient Air acc. to IEC60947-2 30 °C Temperature Reference Ambient Air acc. to EN60898-1 30 °C Resistance to Shock acc. 5 g to IEC 60068-2-27 30 ms Resistance to Vibrations 2-13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x lee		4000 cycle
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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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Mounting Position Any Built-In Depth (t2) 82.5 mm Environmental Ambient Air Temperature Reference Ambient Air acc. to IEC60947-2 30 °C Temperature Resistance to Shock acc. 5 g to IEC 60068-2-27 Resistance to Vibrations 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x lee	Tightening Torque	3.5 N·m 31 in·lb
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Ambient Air Temperature Reference Ambient Air Temperature Reference Ambient Air Temperature Reference Sambient Air Temperature Resistance to Shock acc. Temperature Resistance to Shock acc. Temperature Resistance to Shock acc. Temperature Session Shock acc. Temperature Te	Built-In Depth (t ₂)	82.5 mm
Temperature acc. to IEC60947-2 30 °C Reference Ambient Air acc. to IEC60947-2 30 °C Temperature acc. to EN60898-1 30 °C Resistance to Shock acc. 5 g to IEC 60068-2-27 30 ms Resistance to Vibrations 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x let	 Environmental	
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Resistance to Shock acc. 5 g to IEC 60068-2-27 30 ms Resistance to Vibrations 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le	Reference Ambient Air Temperature	acc. to IEC60947-2 30 °C acc. to EN60898-1 30 °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 le

Technical UL/CSA

Environmental Conditions

RoHS Status

Interrupting Rating acc.

Following EU Directive 2011/65/EU

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

to UL1077 (375 V DC) 10 kA

Dimensions	
Product Net Width	81 mm
Product Net Depth / Length	82.5 mm
Product Net Height	95 mm
Product Net Weight	735 g

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	770 g
Package Level 1 EAN	7612271213428

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85362020

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)

\$803C-C63

Categories

 $\textbf{Low Voltage Products and Systems} \rightarrow \textbf{Modular DIN Rail Products} \rightarrow \textbf{High Performance Circuit Breakers HPCBs}$

