S803C-B125

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

General Information

Extended Product Type:	S803C-B125
Product ID:	2CCS883001R0845
EAN:	7612271213862
Catalog Description:	S803C-B125 High Performance MCB
Long Description:	The S803C-B125 is a 3-pole High Performance Circuit breaker with B-characteristic, with c age terminal and a rated current of 125 A. It is a current limiting device with a maximum bre aking 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 overlo ad protection and the electromechanic tripping mechanism for short circuit protection. The S803C-B125 complies with IEC/EN 60898-1 and IEC/EN 60947-2 and allows the use for ind ustrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S803C-B125 more comfortable. Due to the fast arc extinction of S803C-B125 your application will be secured.

Additional Information

ABB Industrial IT Suite:	Control IT
Actuator Marking:	I / O
Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +70 °C
Connecting Capacity:	Stranded 1 ... 50 mm² Flexible 1 ... 70 mm²
Contact Position Indication:	ON / OFF / TRIP
Country of Origin:	Switzerland (CH)
Customs Tariff Number:	85362020
Data Sheet, Technical Information:	2CCC413003C0203
Declaration of Conformity - CE:	2CCC413016D060
Degree of Protection:	acc. to IEC 60529 IP20
Dimension Diagram:	2CCC413003C0201
EAN:	7612271213862
EPLAN Catalog Tree:	Electrical engineering / Protection devices / General
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
Electrical Endurance:	4000 cycle
Energy Limiting Class:	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
Environmental Information:	2CCY413207D0202
Frequency (*f*):	50 / 60 Hz
Housing Material:	Insulation group I, RAL 7035
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	2CCC413016M0004
Invoice Description:	S803C-B125 High Performance MCB
Mechanical Endurance:	6000 cycle

Minimum Order Quantity:	1 piece
Mounting Position:	Any
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
Number of Poles:	3
Object Classification Code:	F
Operational Voltage:	Maximum 230/400 V AC Minimum 12 V AC
Overvoltage Category:	IV
Package Level 1 EAN:	7612271213862
Package Level 1 Gross Weight:	770 g
Package Level 1 Height:	99 mm
Package Level 1 Length:	86 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	105 mm
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 9.4 W
Product Main Type:	S800C
Product Name:	High Performance MCB
Product Net Depth:	82.5 mm
Product Net Height:	95 mm
Product Net Length:	81 mm
Product Net Weight:	0.74 kg
Product Net Width:	81 mm
Rated Current (I_n):	125 A
Rated Frequency (f):	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	8 kV
Rated Insulation Voltage (U_i):	500 V AC
Rated Operational Current (I_e):	125 A
Rated Operational Voltage:	254/440 V AC 375 V DC
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
Rated Short-Circuit Capacity (I_{cn}):	18 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
Recommended Screw Driver:	Pozidriv 2
Reference Ambient Air Temperature:	acc. to IEC60947-2 30 °C acc. to EN60898-1 30 °C
Remarks:	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
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 Ie
RoHS Date:	20170426

RoHS Information:	2CCC413008D0206
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Selling Unit of Measure:	piece
Short Description:	S803C-B125 High Performance Circuit Breaker - S800C - Number of poles 3 - Tripping chara cteristic B - Rated current 125A - Cage terminal
Standards:	IEC/EN 60947-2 IEC/EN 60898-1
Terminal Type:	Screw Terminals
Tightening Torque:	3.5 N·m 31 in·lb
Tripping Characteristic:	B