

S803B-C80



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

General Information

Extended Product Type:	S803B-C80
Product ID:	2CCS813001R0804
EAN:	7612271416409
Catalog Description:	S803B-C80 High Performance MCB
Long Description:	The S803B-C80 is a 3-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 80 A. It is a current limiting device with a maximum breaking capacity of 16kA at 230/400V. It can be used for voltages up to 230/400V. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S803B-C80 complies with IEC/EN 60947-2 and EN 60898-1 and allows the use for residential, commercial and industrial applications. It has numerous approvals, therefore it can be used worldwide. The extensive range of accessories makes the use of S803B-C80 more comfortable. Due to the fast arc extinction of S803B-C80 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

Dimensions

Product Net Width:	81 mm
Product Net Depth / Length:	82.5 mm
Product Net Height:	95 mm
Product Net Weight:	740 g

Technical

Standards:	IEC/EN 60947-2 IEC/EN 60898-1
Number of Poles:	3
Tripping Characteristic:	C
Rated Current (I_n):	80 A
Rated Operational Voltage:	230/400 V AC

Power Loss:	at Rated Operating Conditions per Pole 6.4 W
Rated Insulation Voltage (U_i):	440 V AC
Rated Frequency (f):	50 / 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	(230 / 400 V AC) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 / 400 V AC) 16 kA (225 V DC) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230 / 400 V AC) 10 kA
Overvoltage Category:	III
Pollution Degree:	3
Rated Impulse Withstand Voltage (U_{imp}):	4 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
Terminal Type:	Screw Terminals
Connecting Capacity:	Flexible 1 ... 50 mm ² Stranded 1 ... 70 mm ²
Tightening Torque:	3.5 N·m
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
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

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
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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:	7612271416409
Package Level 2 Units:	1 piece
Package Level 2 Height:	0.92 mm
Package Level 2 Gross Weight:	0.77 kg

Classifications

Object Classification Code:	F
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)

