

S804B-C80



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

General Information

Extended Product Type:	S804B-C80
Product ID:	2CCS814001R0804
EAN:	7612271416416
Catalog Description:	S804B-C80 High Performance MCB
Long Description:	<p>The S804B-C80 is a 4-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 electromagnetic tripping mechanism for short circuit protection. The S804B-C80 complies with IEC/EN 60947-2 and EN 60898-1 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 S804B-C80 more comfortable. Due to the fast arc extinction of S804B-C80 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

Dimensions

Product Net Width:	106 mm
Product Net Depth / Length:	82.5 mm
Product Net Height:	95 mm
Product Net Weight:	980 g

Technical

Standards:	IEC/EN 60947-2 IEC/EN 60898-1
Number of Poles:	4
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 (300 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:	111 mm
Package Level 1 Height:	99 mm
Package Level 1 Gross Weight:	1010 g
Package Level 1 EAN:	7612271416416
Package Level 2 Units:	1 piece
Package Level 2 Height:	0.92 mm
Package Level 2 Gross Weight:	1.1 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)

