

S801N-D100



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

General Information

Extended Product Type:	S801N-D100
Product ID:	2CCS891001R0821
EAN:	7612271204860
Catalog Description:	S801N-D100 High Performance MCB
Long Description:	<p>The S801N-D100 is a 1-pole High Performance Circuit breaker with D-Dha racteristic, with cage terminal and a rated current of 100 A. It is a current li miting device with a maximum breaking capacity of 36kA at 240/415V. It ca n be used for voltages up to 400/690V and in DC as well. It has two differe nt tripping mechanisms, the thermal tripping mechanism for overload prote ction and the electromechanic tripping mechanism for short circuit protectio n. The S801N-D100 complies with IEC/EN 60947-2 and allows the use for i ndustrial applications. It has numerous of approvals, therefore it can be us ed worldwide. The extensive range of accessory makes the use of S801N- D100 more comfortable. Due to the fast arc extinction of S801N-D100 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
Dimension Diagram:	2CCC413003C0201

Dimensions

Product Net Width:	27 mm
Product Net Depth:	82.5 mm
Product Net Height:	95 mm
Product Net Weight:	245 g

Technical

Standards:	IEC/EN 60947-2
Number of Poles:	1
Tripping Characteristic:	D
Rated Current (I_n):	100 A

Rated Operational Voltage:	400/690 V AC 125 V DC
Power Loss:	at Rated Operating Conditions per Pole 8 W
Rated Insulation Voltage (U_i):	690 V AC
Rated Frequency (f):	50 / 60 Hz
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(240 / 415 V AC) 36 kA (254 / 440 V AC) 20 kA (400 / 690 V AC) 4.5 kA (125 V DC) 20 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(240 / 415 V AC) 30 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (125 V DC) 20 kA
Overvoltage Category:	IV
Pollution Degree:	3
Rated Impulse Withstand Voltage (U_{imp}):	8 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
Electrical Endurance:	6000 cycle
Mechanical Endurance (N_{endu}):	4000 cycle
Terminal Type:	Screw Terminals
Connecting Capacity:	Stranded 1 ... 50 mm ² Flexible 1 ... 70 mm ²
Tightening Torque:	3.5 N·m 31 in·lb
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
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
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
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
Package Level 1 Width:	105 mm
Package Level 1 Length:	33 mm
Package Level 1 Height:	99 mm
Package Level 1 Gross Weight:	270 g
Package Level 1 EAN:	7612271204860
Package Level 2 Units:	1

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)

