



**Automatización Eléctrica**

Especialistas en Automatización

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## General Information

Extended Product Type:	S801N-C100
Product ID:	2CCS891001R0824
EAN:	7612271204389
Catalog Description:	S801N-C100 High Performance Circuit Breaker
Long Description:	The S801N-C100 is a 1-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 100 A. It is a current limiting device with a maximum breaking capacity of 36kA at 240/415V. It can be used for voltages up to 400/690V 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 S801N-C100 complies with IEC/EN 60947-2 and allows the use for industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S801N-C100 more comfortable. Due to the fast arc extinction of S801N-C100 your application will be secured.

## Categories

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

## Ordering

EAN:	7612271204389
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362020

## Dimensions

Product Net Width:	27 mm
Product Net Depth:	82.5 mm
Product Net Height:	95 mm
Product Net Weight:	0.25 kg

## 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:	0.27 kg
Package Level 1 EAN:	7612271204389
Package Level 2 Units:	1

## 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

## Technical

Standards:	IEC/EN 60947-2 IEC/EN 60898-1
Number of Poles:	1
Tripping Characteristic:	C
Rated Current (I <sub>n</sub> ):	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 <sub>i</sub> ):	690 V AC
Rated Frequency (f):	50 / 60 Hz
Rated Ultimate Short-Circuit	(240 / 415 V AC) 36 kA (254 / 440 V AC) 20 kA

<b>Breaking Capacity (<math>I_{cu}</math>):</b>	(400 / 690 V AC) 4.5 kA (125 V DC) 30 kA
<b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>	(240 / 415 V AC) 30 kA (254 / 440 V AC) 10 kA (400 / 690 V AC) 3 kA (125 V DC) 20 kA
<b>Overvoltage Category:</b>	IV
<b>Pollution Degree:</b>	3
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	8 kV
<b>Housing Material:</b>	Insulation group I, RAL 7035
<b>Contact Position Indication:</b>	ON / OFF / TRIP
<b>Degree of Protection:</b>	acc. to IEC 60529 IP20
<b>Remarks:</b>	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
<b>Electrical Endurance:</b>	6000 cycle
<b>Mechanical Endurance:</b>	4000 cycle
<b>Terminal Type:</b>	Screw Terminals
<b>Connecting Capacity:</b>	Stranded 1 ... 50 mm <sup>2</sup> Flexible 1 ... 70 mm <sup>2</sup>
<b>Tightening Torque:</b>	3.5 N·m 31 in·lb
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Mounting on DIN Rail:</b>	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
<b>Mounting Position:</b>	Any

#### Certificates and Declarations (Document Number)

<b>Declaration of Conformity - CE:</b>	2CCC413016D060
<b>RoHS Information:</b>	2CCC413008D0204

#### Classifications

<b>E-nummer:</b>	2101525
<b>ETIM 4:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 5:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>Object Classification Code:</b>	F





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Product	Code	Reference	Product link
S801N-C100 High Performance Circuit Breaker	2CCS891001R0824	S801N-C100	<a href="#">Buy on EAN</a>