Automatización Eléctrica

Especialistas en Automatización

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S803N-D20

General Information

Extended Product Type:	S803N-D20
Product ID:	2CCS893001R0201
EAN:	7612271205034
Catalog Description:	S803N-D20 High Performance Circuit Breaker
Long Description:	The S803N-D20 is a 3-pole High Performance Circuit breaker with D-Characteristic, with cage terminal and a rated current of 20 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 S803N-D20 complies with IEC/EN 60898-1 and IEC/EN 60947-2 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 S803N-D20 more comfortable. Due to the fast arc extinction of S803N-D20 your application will be secured.

Categories

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

Ordering

EAN:	7612271205034
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362020

Dimensions

Product Net Width:	81 mm
Product Net Depth:	82.5 mm
Product Net Height:	95 mm
Product Net Weight:	0.74 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	105 mm
Package Level 1 Length:	86 mm
Package Level 1 Height:	99 mm
Package Level 1 Gross Weight:	0.77 kg
Package Level 1 EAN:	7612271205034
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 Ie
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:	3
Tripping Characteristic:	D
Rated Current (I_n):	20 A
Rated Operational Voltage:	400/690 V AC 375 V DC
Power Loss:	at Rated Operating Conditions per Pole 3.5 W
Rated Insulation Voltage (U_i):	690 V AC
Operational Voltage:	Maximum 230/400 V AC Minimum 12 V AC

Rated Frequency (f):	50 / 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	(230 / 400 V AC) 20 kA
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) 15 kA (400 / 690 V AC) 3 kA (125 V DC) 20 kA
Energy Limiting Class:	3
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:	10000 cycle
Mechanical Endurance:	10000 cycle
Terminal Type:	Screw Terminals
Connecting Capacity:	Stranded 1 ... 50 mm² Flexible 1 …70 mm²
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

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	2CCC413016D060
RoHS Information:	2CCC413008D0204

Classifications

ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
Object Classification Code:	F

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- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, click on the green button.

Product	Code	Reference	Product link
S803N-D20 High Performance Circuit Breaker	2CCS893001R0201	S803N-D20	Buy on EAN