



**Automatización Eléctrica**

Especialistas en Automatización

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## General Information

|                        |   |
|------------------------|---|
| Extended Product Type: | S803S-C8  |
| Product ID:            | 2CCS863001R0084   |
| EAN:                   | 7612271411381   |
| Catalog Description:   | S803S-C8 High Performance Circuit Breaker   |
| Long Description:      | The S803S-C8 is a 3-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 8 A. It is a current limiting device with a maximum breaking capacity of 50kA 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 S803S-C8 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 S803S-C8 more comfortable. Due to the fast arc extinction of S803S-C8 your application will be secured. |

## Categories

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

## Ordering

|                         |               |
|-------------------------|---------------|
| EAN:                    | 7612271411381 |
| 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:          | 7612271411381 |

## Environmental

|   |   |
|---|---|
| Ambient Air Temperature:                        | Operation -25 ... +60 °C<br>Storage -40 ... +70 °C  |
| Resistance to Vibrations acc. to IEC 60068-2-6: | 2 - 13.2 Hz / 1mm<br>13.2 - 100Hz / 0.7g<br>with load 100% x Ie   |
| Environmental Conditions:                       | Damp Heat Cyclic acc. to IEC 60068-2-30 12+12 cycle<br>Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96%<br>Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100%<br>Dry Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C<br>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:   | C   |
| Rated Current (I <sub>n</sub> ):                                   | 8 A   |
| Rated Operational Voltage:   | 400/690 V AC<br>375 V DC  |
| Power Loss:  | at Rated Operating Conditions per Pole 1.7 W  |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 690 V AC  |
| Rated Frequency (f):   | 50 / 60 Hz  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (240 / 415 V AC) 50 kA<br>(254 / 440 V AC) 30 kA<br>(400 / 690 V AC) 6 kA<br>(125 V DC) 30 kA |
| Rated Service Short-Circuit  | (240 / 415 V AC) 40 kA  |

|  |   |
|--|---|
| <b>Breaking Capacity (<math>I_{cs}</math>):</b>                | (254 / 440 V AC) 22.5 kA<br>(400 / 690 V AC) 4 kA<br>(125 V DC) 30 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<br>Connecting with CU only<br>IP40 in enclosure with cover<br>Cage terminal with captive screw |
| <b>Electrical Endurance:</b>                                   | 10000 cycle   |
| <b>Mechanical Endurance:</b>                                   | 10000 cycle   |
| <b>Terminal Type:</b>  | Screw Terminals   |
| <b>Connecting Capacity:</b>                                    | Stranded 1 ... 50 mm <sup>2</sup><br>Flexible 1 ... 70 mm <sup>2</sup>  |
| <b>Tightening Torque:</b>                                      | 3.5 N·m<br>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<br>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>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               |
|---|-----------------|-----------|----------------------------|
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