

PRODUCT-DETAILS

# S803S-UCB16-R

## S803S-UCB16-R High Performance MCB



### General Information

Extended Product Type	S803S-UCB16-R
Product ID	2CCS863002R1165
EAN	7612271210496
Catalog Description	S803S-UCB16-R High Performance MCB

### Long Description

The S803S-UCB16-R is a 1-pole High Performance Circuit breaker for DC application with B-characteristic, with ring tongue terminal and a rated current of 16 A. It is a current limiting device with a maximum breaking capacity of 50kA at 750V. It can be used for voltages up to 750V DC. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S803S-UCB16-R 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-UCB16-R more comfortable. Due to the fast arc extinction of S803S-UCB16-R your application will be secured.

### Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	UC-B
Rated Voltage ( $U_r$ )	acc. to IEC 60947-2 750 V DC
Rated Operational Voltage	acc. to IEC 60898-1 400 V
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 1500 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV

Input Voltage Type	DC
Rated Current ( $I_n$ )	16 A
Rated Operational Current ( $I_e$ )	16 A
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(750 V DC) 50 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 50 kA (400 V) 50 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(750 V DC) 50 kA
Frequency (f)	0...0 Hz
Rated Frequency (f)	0 Hz
Power Loss	9.3 W at Rated Operating Conditions per Pole 3.1 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	III
Tightening Torque	3.5 N·m
Release Type	B
Actuator Marking	I / O
Housing Material	Insulation group I, RAL 7035
Options Provided	Ringlug terminal
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
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Connecting Capacity	Flexible 0 ... 50 mm <sup>2</sup> Rigid 0 ... 70 mm <sup>2</sup>
Terminal Type	Screw Terminals

## Environmental

Ambient Temperature	-25...60 °C
Ambient Air Temperature	Operation -25 ... 60 °C
Degree of Protection	IP20
Pollution Degree	2
Resistance to Vibrations acc. to IEC 60068-2-6	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x 1e
Resistance to Shock acc. to IEC 60068-2-27	5 g 30 ms
RoHS Status	Following EU Directive 2011/65/EU
RoHS Information	9AKK107680A3903 2CCC005084D0202
Environmental Information	2CCY413207D0203
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

---

## Dimensions

---

Width in Number of Modular Spacings	4.5
Product Net Width	81 mm
Product Net Height	142 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	490 g
Built-In Depth (t <sub>2</sub> )	82.5 mm

---



---

## Ordering

---

Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	790 g

---



---

## Certificates and Declarations

---

Declaration of Conformity - CE	2CCC005084D0202
--------------------------------	-----------------

---



---

## Installation

---

Instructions and Manuals	2CCC413016M0008
--------------------------	-----------------

---



---

## Popular Downloads

---

Data Sheet, Technical Information	2CCC413003C0208
-----------------------------------	-----------------

---



---

## Classifications

---

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
eClass	V11.0 : 27141901
Object Classification Code	F

---



---

## Categories

---

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

