

PRODUCT-DETAILS

S801S-B32

S801S-B32 High Performance MCB



General Information

| | |
|-----------------------|--|
| Extended Product Type | S801S-B32 |
| Product ID | 2CCS861001R0325 |
| EAN | 7612271200053 |
| Catalog Description | S801S-B32 High Performance MCB |
| Long Description | <p>The S801S-B32 is a 1-pole High Performance Circuit breaker with B-characteristic, with cage terminal and a rated current of 32 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 S801S-B32 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 S801S-B32 more comfortable. Due to the fast arc extinction of S801S-B32 your application will be secured.</p> |

Technical

| | |
|---------------------------------|--|
| Standards | IEC/EN 60947-2, IEC/EN 60898-1, UL 1077 |
| Tripping Characteristic | B |
| Type of Residual Current | standard version |
| Rated Voltage (U _r) | acc. to IEC 60947-2 400 V AC acc. to IEC 60947-2 125 V DC acc. to IEC 60898-1 230/400 V AC |
| Rated Operational Voltage | acc. to IEC 60947-2 400 V AC acc. to IEC 60947-2 125 V DC acc. to IEC 60898-1 230/400 V AC |
| Operational Voltage | Maximum 230/400 V AC |

| | |
|---|--|
| | Minimum 12 V AC |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 690 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 8 kV |
| Input Voltage Type | AC/DC |
| Rated Current (I _n) | 32 A |
| Rated Operational Current (I _e) | 32 A |
| Rated Short-Circuit Capacity (I _{cn}) | (400 V) 25 kA (230 V) 25 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}) | (240 / 415 V AC) 50 kA (254 / 440 V AC) 30 kA (400 / 690 V AC) 6 kA (125 V DC) 30 kA (230 V) 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}) | (240 / 415 V AC) 40 kA (254 / 440 V AC) 22.5 kA (400 / 690 V AC) 4 kA (125 V DC) 30 kA |
| Frequency (f) | 50 ... 60 Hz |
| Rated Frequency (f) | 50...60 Hz |
| Power Loss | 3.2 W at Rated Operating Conditions per Pole 3.2 W |
| Contact Position Indication | ON / OFF / TRIP |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 cycle 10000 cycle |
| Number of Poles | 1 |
| Number of Protected Poles | 1 |
| Overvoltage Category | IV |
| Tightening Torque | 3.5 N·m 31 in·lb |
| Release Type | B |
| Actuator Marking | I / O |
| Housing Material | Insulation group I, RAL 7035 |
| 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 | Rigid 0 ... 50 mm ² Flexible 0 ... 70 mm ² |
| Terminal Type | Screw Terminals |

Environmental

| | |
|-----------------------------------|---|
| Ambient Temperature | -25...60 °C |
| Ambient Air Temperature | Operation -25...60 °C |
| Reference Ambient Air Temperature | acc. to IEC60947-2 30 °C acc. to EN60898-1 30 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |

Resistance to Vibrations
acc. to IEC 60068-2-6

2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x Ie

RoHS Status

Following EU Directive 2011/65/EU

Environmental
Information

2CCY413207D0203

Technical UL/CSA

Interrupting Rating acc.
to UL1077

(240 V AC) 30 kA

(277 V AC) 14 kA

(347 V AC) 6 kA

Dimensions

| | |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 1.5 |
| Product Net Width | 27 mm |
| Product Net Height | 95 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 245 g |
| Product Net Length | 27 mm |
| Size | 1 module |
| Built-In Depth (t ₂) | 82.5 mm |

Container Information

| | |
|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 105 mm |
| Package Level 1 Height | 99 mm |
| Package Level 1 Depth / Length | 33 mm |
| Package Level 1 Gross Weight | 270 g |
| Package Level 1 EAN | 7612271200053 |

Ordering

| | |
|------------------------|------------------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362010 |
| E-Number (Finland) | 3212012 |
| E-Number (Switzerland) | 807022315 |
| Country of Origin | Switzerland (CH) |

Certificates and Declarations (Document Number)

| | |
|--------------------------------|------------------------------------|
| Declaration of Conformity - CE | 2CCC005083D0202 |
| Environmental Information | 2CCY413207D0203 |
| Instructions and Manuals | 2CCC413016M0008 |
| RoHS Information | 9AKK107680A3903 2CCC005083D0202 |

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CCC413003C0208 |
| Instructions and Manuals | 2CCC413016M0008 |
| Dimension Diagram | 2CCC413003C0201 |

Classifications

| | |
|----------------------------|--|
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| EPLAN Catalog Tree | Electrical engineering / Protection devices / General |
| 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

