

PRODUCT-DETAILS

# S802B-C125

## S802B-C125 High Performance MCB



### General Information

|                       |                                 |
|-----------------------|---------------------------------|
| Extended Product Type | S802B-C125                      |
| Product ID            | 2CCS812001R0844                 |
| EAN                   | 7612271416478                   |
| Catalog Description   | S802B-C125 High Performance MCB |

|                  |   |
|------------------|---|
| Long Description | <p>The S802B-C125 is a 2-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 125 A. It is a current limiting device with a maximum breaking capacity of 16kA at 230/400V. It can be used for voltages up to 230/400V. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S802B-C125 complies with IEC/EN 60947-2 and EN 60898-1 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 S802B-C125 more comfortable. Due to the fast arc extinction of S802B-C125 your application will be secured.</p> |
|------------------|---|

### Technical

|  |  |
|--|--|
| Standards                                  | IEC/EN 60947-2, IEC/EN 60898-1   |
| Tripping Characteristic                    | C  |
| Rated Voltage (U <sub>r</sub> )            | acc. to IEC 60947-2 400 V AC<br>acc. to IEC 60947-2 150 V DC<br>acc. to IEC 60898-1 400 V AC |
| Rated Operational Voltage                  | acc. to IEC 60947-2 400 V AC<br>acc. to IEC 60947-2 150 V DC<br>acc. to IEC 60898-1 400 V AC |
| Rated Insulation Voltage (U <sub>i</sub> ) | acc. to IEC/EN 60664-1 500 V AC  |

|   |  |
|---|--|
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 6 kV   |
| Input Voltage Type  | AC/DC  |
| Rated Current ( $I_n$ )                                     | 125 A  |
| Rated Operational Current ( $I_e$ )                         | 125 A  |
| Rated Short-Circuit Capacity                                | (400 V) 10 kA<br>(230 V) 10 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (230 / 400 V AC) 16 kA<br>(150 V DC) 10 kA   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (230 V) 16 kA<br>(400 V) 16 kA   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (230 / 400 V AC) 10 kA   |
| Frequency (f)   | 50...60 Hz   |
| Rated Frequency (f)   | 50...60 Hz   |
| Power Loss  | 21.8 W<br>at Rated Operating Conditions per Pole 10.9 W  |
| Contact Position Indication                                 | ON / OFF / TRIP  |
| Energy Limiting Class                                       | 3  |
| Number of Poles   | 2  |
| Number of Protected Poles                                   | 2  |
| Overvoltage Category  | III  |
| Tightening Torque   | 3.5 N·m  |
| Release Type  | C  |
| 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<br>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><br>Rigid 0...70 mm <sup>2</sup>  |
| 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          |
| Degree of Protection              | IP20                              |
| Pollution Degree                  | 3                                 |
| RoHS Status                       | Following EU Directive 2011/65/EU |
| Environmental Information         | 2CCY413207D0203                   |

## Dimensions

|                                     |   |
|-------------------------------------|---|
| Width in Number of Modular Spacings | 3 |
|-------------------------------------|---|

|                                  |         |
|----------------------------------|---------|
| Product Net Width                | 54 mm   |
| Product Net Height               | 95 mm   |
| Product Net Depth / Length       | 82.5 mm |
| Product Net Weight               | 490 g   |
| Built-In Depth (t <sub>2</sub> ) | 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 | 60 mm         |
| Package Level 1 Gross Weight   | 510 g         |
| Package Level 1 EAN            | 7612271416478 |

### Ordering

|                        |                  |
|------------------------|------------------|
| Minimum Order Quantity | 1 piece          |
| Customs Tariff Number  | 85362090         |
| 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<br>2CCC005083D0202 |

### Popular Downloads

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

### 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

