

## PRODUCT-DETAILS

# S801S-B2

## S801S-B2 High Performance MCB



### General Information

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Extended Product Type | S801S-B2                                                                                   |
| Product ID            | 2CCF019844R0001                                                                            |
| EAN                   | 7612271499105                                                                              |
| Catalog Description   | S801S-B2 High Performance MCB                                                              |
| Long Description      | S801S-B2 1 Pole B Characteristic 2A 6 kA 400/690 VAC High Performance Circuit Breaker HPCB |

### Technical

|                                               |                                                                                                  |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------|
| Standards                                     | IEC/EN 60947-2, IEC/EN 60898-1, UL 1077                                                          |
| Product Name                                  | High Performance MCB                                                                             |
| Tripping Characteristic                       | B                                                                                                |
| Rated Voltage ( $U_r$ )                       | AccTolec609472 690 V AC<br>AccTolec609472 250 V DC<br>AccTolec608981 400 V AC                    |
| Rated Operational Voltage                     | acc. to IEC 60947-2 400 V AC<br>acc. to IEC 60947-2 125 V DC<br>acc. to IEC 60898-1 230/400 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 ( $I_n$ )                       | 2 A                                                                                              |
| Rated Operational                             | 2 A                                                                                              |

|                                                                   |                                                                                                                                          |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Current (I <sub>e</sub> )                                         |                                                                                                                                          |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (240 / 415 V AC) 50 kA<br>(254 / 440 V AC) 30 kA<br>(289 / 500 V AC) 15 kA<br>(400 / 690 V AC) 6 kA<br>(125 V DC) 30 kA<br>(230 V) 50 kA |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )        | (230 V) 50 kA                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (240 / 415 V AC) 40 kA<br>(254 / 440 V AC) 22.5 kA<br>(289 / 500 V AC) 11 kA<br>(400 / 690 V AC) 4 kA<br>(125 V DC) 30 kA                |
| Rated Frequency (f)                                               | 50...60 Hz                                                                                                                               |
| Power Loss                                                        | 2.2 W<br>at Rated Operating Conditions per Pole 2.2 W                                                                                    |
| Contact Position Indication                                       | ON / OFF / TRIP                                                                                                                          |
| Energy Limiting Class                                             | 3                                                                                                                                        |
| Number of Poles                                                   | 1                                                                                                                                        |
| Number of Protected Poles                                         | 1                                                                                                                                        |
| Overvoltage Category                                              | IV                                                                                                                                       |
| Tightening Torque                                                 | 3.5 N·m                                                                                                                                  |
| 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                                               | Rigid 1 ... 50 mm <sup>2</sup><br>Flexible 1 ... 70 mm <sup>2</sup>                                                                      |
| Terminal Type                                                     | Screw Terminals                                                                                                                          |

## Environmental

|                                                |                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature                        | Operation -25 ... +60 °C<br>Storage -40 ... +70 °C                                                                                                                                                                                                                                             |
| Degree of Protection                           | acc. to IEC 60529 IP20                                                                                                                                                                                                                                                                         |
| Pollution Degree                               | 3                                                                                                                                                                                                                                                                                              |
| Environmental Conditions                       | Damp Heat Cyclic acc. to IEC 60068-2-30 104 + 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 hours @ 55 °C<br>Dry Heat Test B acc. to IEC 60068-2-2 2 hours @ 70 °C |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 7 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x I <sub>e</sub>                                                                                                                                                                                                                          |
| RoHS Status                                    | Following EU Directive 2011/65/EU                                                                                                                                                                                                                                                              |
| Environmental Information                      | 2CCY413207D0203                                                                                                                                                                                                                                                                                |

## Technical UL/CSA

|                                    |                                                                       |
|------------------------------------|-----------------------------------------------------------------------|
| Interrupting Rating acc. to UL1077 | (240 V AC) 30 kA<br>(480Y / 277 V AC) 14 kA<br>(600Y / 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   |
| 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 | 33 mm         |
| Package Level 1 Gross Weight   | 270 g         |
| Package Level 1 EAN            | 7612271499105 |

## Ordering

|                         |                  |
|-------------------------|------------------|
| Minimum Order Quantity  | 1 piece          |
| Customs Tariff Number   | 85362010         |
| Country of Origin       | Switzerland (CH) |
| Selling Unit of Measure | piece            |

## Certificates and Declarations (Document Number)

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

## Popular Downloads

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

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 6                     | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 7                     | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 8                     | 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                                                   |
| Object Classification Code | F                                                          |

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## Categories

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

