

PRODUCT-DETAILS

# S801P-B100

## S801P-B100 High Performance MCB



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | S801P-B100  |
| Product ID            | 2CCG001215R0001   |
| EAN                   | 7612271516840   |
| Catalog Description   | S801P-B100 High Performance MCB   |
| Long Description      | S801P-B100 High Performance Circuit Breaker. B characteristic. 50kA, 100A, 1P |

### Technical

|  |  |
|--|--|
| Standards                                      | IEC/EN 60947-2   |
| Tripping Characteristic                        | B  |
| Rated Voltage ( $U_r$ )                        | AccTolec609472 400 V AC<br>AccTolec609472 125 V DC           |
| Rated Operational Voltage                      | acc. to IEC 60947-2 400 V AC<br>acc. to IEC 60947-2 125 V DC |
| Rated Insulation Voltage ( $U_i$ )             | 690 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )  | 6 kV   |
| Rated Current ( $I_n$ )                        | 100 A  |
| Rated Short-Circuit Capacity                   | (230 / 400 V AC) 15 kA                                       |
| Rated Ultimate Short-Circuit Breaking Capacity | (240 / 415 V AC) 50 kA<br>(254 / 440 V AC) 30 kA             |

|  |  |
|--|--|
| ( $I_{cu}$ )   | (289 / 500 V AC) 10 kA<br>(400 / 690 V AC) 4.5 kA<br>(125 V DC) 30 kA  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) | (240 / 415 V AC) 40 kA   |
| Frequency (f)  | 50/60 Hz   |
| Rated Frequency (f)  | 50..60 Hz  |
| Power Loss   | at Rated Operating Conditions per Pole 8 W   |
| Contact Position Indication                                | ON / OFF / TRIP  |
| Number of Poles  | 1  |
| Overvoltage Category                                       | III  |
| Tightening Torque  | 3.5 N·m  |
| Release Type   | B  |
| Actuator Marking   | I / O  |
| 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  |
| Connecting Capacity  | Flexible 0...50 mm <sup>2</sup><br>Rigid 0...70 mm <sup>2</sup>  |

## Environmental

|   |  |
|---|--|
| Ambient Air Temperature                     | Operation -25 ... +60 °C<br>Storage -40 ... +70 °C |
| Reference Ambient Air Temperature           | 30 °C  |
| Degree of Protection                        | IP20   |
| Pollution Degree                            | 3  |
| REACH Declaration                           | 9AKK108468A0699                                    |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                    |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 1.5      |
| Product Net Width                   | 27.0 mm  |
| Product Net Height                  | 95.0 mm  |
| Product Net Depth / Length          | 82.5 mm  |
| Product Net Weight                  | 0.240 kg |

## Ordering

|                              |                  |
|------------------------------|------------------|
| Package Level 1 Units        | box 1 piece      |
| Package Level 1 Gross Weight | 0.265 kg         |
| Customs Tariff Number        | 85362090         |
| E-Number (Finland)           | 3217339          |
| Country of Origin            | Switzerland (CH) |

## Certificates and Declarations

|                                     |                 |
|-------------------------------------|-----------------|
| CB Certificate                      | 9AKK108468A1243 |
| CEBEC Certificate                   | 9AKK108468A1244 |
| Declaration of Conformity<br>- CE   | 9AKK108468A0836 |
| Declaration of Conformity<br>- UKCA | 9AKK108468A0837 |

## Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 9AKK108467A9512 |
|--------------------------|-----------------|

## Classifications

|                              |  |
|------------------------------|--|
| ETIM 8                       | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9                       | EC000042 - Miniature circuit breaker (MCB)                 |
| EPLAN Catalog Tree           | Electrical engineering / Protection devices / General      |
| EPLAN Function<br>Definition | 501.1.1  |
| WEEE Category                | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B               | Business To Business                                       |
| eClass                       | V11.0 : 27141901   |
| Object Classification Code   | F  |

## Accessories

| Identifier      | Description  | Type  | Quantity | Unit Of Measure |
|-----------------|--------------|---|----------|-----------------|
| 2CCS800900R0011 | S800-AUX     | S800-AUX<br>Auxiliary<br>Contact              | 1        | piece           |
| 2CCS800900R0021 | S800-AUX/ALT | S800-AUX/ALT<br>Auxiliary /<br>Signal Contact | 1        | piece           |
| 2CCS800900R0201 | S800-SOR12   | S800-SOR12<br>Shunt<br>Operation<br>Release   | 1        | piece           |
| 2CCS800900R0191 | S800-SOR24   | S800-SOR24<br>Shunt<br>Operation<br>Release   | 1        | piece           |
| 2CCS800900R0221 | S800-SOR130  | S800-SOR130<br>Shunt<br>Operation<br>Release  | 1        | piece           |
| 2CCS800900R0211 | S800-SOR250  | S800-SOR250<br>Shunt<br>Operation<br>Release  | 1        | piece           |
| 2CCS800900R0231 | S800-SOR400  | S800-SOR400<br>Shunt<br>Operation<br>Release  | 1        | piece           |
| 2CCS800900R0241 | S800-UVR36   | S800-UVR36<br>Undervoltage<br>Release         | 1        | piece           |

|                 |               |   |   |       |
|-----------------|---------------|---|---|-------|
| 2CCS800900R0251 | S800-UVR60    | S800-UVR60<br>Undervoltage<br>Release               | 1 | piece |
| 2CCS800900R0261 | S800-UVR130   | S800-UVR130<br>Undervoltage<br>Release              | 1 | piece |
| 2CCS800900R0271 | S800-UVR250   | S800-UVR250<br>Undervoltage<br>Release              | 1 | piece |
| 2CCS800900R0181 | S800-CT2125   | S800-CT2125<br>Cage Terminal                        | 1 | pack  |
| 2CCS800900R0151 | S800-CT4125   | S800-CT4125<br>Cage Terminal                        | 1 | pack  |
| 2CCS800900R0161 | S800-RT2125   | S800-RT2125<br>Ring Terminal<br>Cable<br>Connection | 1 | pack  |
| 2CCS800900R0131 | S800-RT4125   | S800-RT4125<br>Ring Terminal<br>Cable<br>Connection | 1 | pack  |
| 2CCS800900R0051 | S800-PLL      | S800-PLL<br>Locking Device<br>IEC                   | 1 | pack  |
| 2CCS800017R0001 | S800U-PLL     | S800U-PLL UL<br>Locking Device                      | 1 | piece |
| 2CCS800900R0031 | S800-IP9      | S800-IP9<br>Intermediate<br>Piece                   | 1 | piece |
| 2CCS800900R0501 | S800-RSU-H    | S800-RSU-H<br>Remote<br>Switching Unit              | 1 | piece |
| 2CCS800900R0041 | S800-RD       | S800-RD<br>Rotary Drive                             | 1 | piece |
| 1SDA060150R0001 | S800-RHE-H    | S800-RHE-H<br>Anthracite<br>Rotary Handle           | 1 | piece |
| 1SDA060151R0001 | S800-RHE-EM   | S800-RHE-EM<br>Red Rotary<br>Handle                 | 1 | piece |
| 1SDA060179R0001 | S800-RHE-S    | S800-RHE-S<br>Axial Extension                       | 1 | piece |
| 1SDA060180R0001 | S800-RHE-IP54 | S800-RHE-<br>IP54 Kit IP54                          | 1 | piece |

## Categories

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

