PRODUCT-DETAILS

# S802P-B80

# S802P-B80 High Performance MCB



## General Information

| | |
|---|---|
| Extended Product Type | S802P-B80 |
| Product ID | 2CCG001217R0001 |
| EAN | 7612271516864 |
| Catalog Description | S802P-B80 High Performance MCB |
| Long Description | S802P-B80 High Performance Circuit Breaker. B characteristic. 50kA, 80A, 2P |

## Technical

| | |
|---|---|
| Standards | IEC/EN 60947-2 |
| Tripping Characteristic | B |
| Rated Voltage ($U_r$) | AccTolec609472 690 V AC<br>AccTolec609472 250 V DC |
| Rated Operational Voltage | acc. to IEC 60947-2 690 V AC<br>acc. to IEC 60947-2 250 V DC |
| Rated Insulation Voltage ($U_i$) | 690 V |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 6 kV |
| Rated Current ($I_n$) | 80 A |

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| | |
|---|---|
| Rated Short-Circuit Capacity | (230 / 400 V AC) 25 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (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>(250 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 6.4 W |
| Contact Position Indication | ON / OFF / TRIP |
| Number of Poles | 2 |
| 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 mm²<br>Rigid 0...70 mm² |

## 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

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|---|---|
| Width in Number of Modular Spacings | 3 |
| Product Net Width | 54.0 mm |
| Product Net Height | 95.0 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 0.490 kg |

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## Ordering

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|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.51 kg |
| Customs Tariff Number | 85362090 |
| E-Number (Finland) | 3217341 |
| Country of Origin | Switzerland (CH) |

## Certificates and Declarations

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|---|---|
| CB Certificate | 9AKK108468A1243 |
| CEBEC Certificate | 9AKK108468A1244 |
| Declaration of Conformity - CE | 9AKK108468A0836 |
| Declaration of Conformity - 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 Definition | 501.2.1 |
| 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 Auxiliary Contact | 1 | piece |
| 2CCS800900R0021 | S800-AUX/ALT | S800-AUX/ALT Auxiliary / Signal Contact | 1 | piece |
| 2CCS800900R0201 | S800-SOR12 | S800-SOR12 Shunt Operation Release | 1 | piece |

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|---|---|---|---|---|
| 2CCS800900R0191 | S800-SOR24 | S800-SOR24 Shunt Operation Release | 1 | piece |
| 2CCS800900R0221 | S800-SOR130 | S800-SOR130 Shunt Operation Release | 1 | piece |
| 2CCS800900R0211 | S800-SOR250 | S800-SOR250 Shunt Operation Release | 1 | piece |
| 2CCS800900R0231 | S800-SOR400 | S800-SOR400 Shunt Operation Release | 1 | piece |
| 2CCS800900R0241 | S800-UVR36 | S800-UVR36 Undervoltage Release | 1 | piece |
| 2CCS800900R0251 | S800-UVR60 | S800-UVR60 Undervoltage Release | 1 | piece |
| 2CCS800900R0261 | S800-UVR130 | S800-UVR130 Undervoltage Release | 1 | piece |
| 2CCS800900R0271 | S800-UVR250 | S800-UVR250 Undervoltage Release | 1 | piece |
| 2CCS800900R0181 | S800-CT2125 | S800-CT2125 Cage Terminal | 1 | pack |
| 2CCS800900R0151 | S800-CT4125 | S800-CT4125 Cage Terminal | 1 | pack |
| 2CCS800900R0161 | S800-RT2125 | S800-RT2125 Ring Terminal Cable Connection | 1 | pack |
| 2CCS800900R0131 | S800-RT4125 | S800-RT4125 Ring Terminal Cable Connection | 1 | pack |
| 2CCS800900R0051 | S800-PLL | S800-PLL Locking Device IEC | 1 | pack |
| 2CCS800017R0001 | S800U-PLL | S800U-PLL UL Locking Device | 1 | piece |
| 2CCS800900R0031 | S800-IP9 | S800-IP9 Intermediate Piece | 1 | piece |
| 2CCS800900R0501 | S800-RSU-H | S800-RSU-H Remote Switching Unit | 1 | piece |
| 2CCS800900R0041 | S800-RD | S800-RD Rotary Drive | 1 | piece |
| 1SDA060150R0001 | S800-RHE-H | S800-RHE-H Anthracite Rotary Handle | 1 | piece |
| 1SDA060151R0001 | S800-RHE-EM | S800-RHE-EM Red Rotary Handle | 1 | piece |

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|---|---|---|---|---|
| 1SDA060179R0001 | S800-RHE-S | S800-RHE-S Axial Extension | 1 | piece |
| 1SDA060180R0001 | S800-RHE-IP54 | S800-RHE-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





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