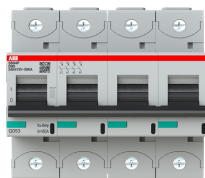


PRODUCT-DETAILS

# S804P-D80

## S804P-D80 High Performance MCB



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | S804P-D80   |
| Product ID            | 2CCG001247R0001   |
| EAN                   | 7612271517168   |
| Catalog Description   | S804P-D80 High Performance MCB  |
| Long Description      | S804P-D80 High Performance Circuit Breaker. D Characteristic. 50kA, 80A, 4P |

### Technical

|   |  |
|---|--|
| Standards                                     | IEC/EN 60947-2                                     |
| Tripping Characteristic                       | D  |
| Rated Voltage ( $U_r$ )                       | AccTolec609472 690 V AC<br>AccTolec609472 500 V DC |
| Rated Operational Voltage                     | acc. to IEC 60898-1 400 V                          |
| Rated Insulation Voltage ( $U_i$ )            | acc. to IEC/EN 60664-1 690 V                       |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | 6 kV   |
| Input Voltage Type                            | AC/DC  |
| Rated Current ( $I_n$ )                       | 80 A   |
| Rated Short-Circuit Capacity                  | (230 V) 25 kA<br>(400 V) 25 kA                     |
| Rated Ultimate Short-                         | (690 V) 50 kA                                      |

|  |  |
|--|--|
| Circuit Breaking Capacity ( $I_{cu}$ )                     | (690 V) 415V/6 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  |
| Energy Limiting Class                                      | 3  |
| Number of Poles  | 4  |
| Number of Protected Poles                                  | 4  |
| Overvoltage Category                                       | III  |
| Tightening Torque  | 3.5 N·m  |
| Release Type   | D  |
| 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 1...50 mm <sup>2</sup><br>Rigid 1...70 mm <sup>2</sup>  |
| Wire Stripping Length                                      | 19 mm  |

## Environmental

|   |                                   |
|---|-----------------------------------|
| Ambient Air Temperature                     | Operation -25 ... 60 °C           |
| Reference Ambient Air Temperature           | 30 °C                             |
| Degree of Protection                        | IP20                              |
| Pollution Degree                            | 3                                 |
| RoHS Status                                 | Following EU Directive 2011/65/EU |
| RoHS Information                            | 9AKK108468A0852                   |
| REACH Declaration                           | 9AKK108468A0699                   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                   |

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 6        |
| Product Net Width                   | 106.0 mm |
| Product Net Height                  | 95.0 mm  |
| Product Net Depth / Length          | 82.5 mm  |
| Product Net Weight                  | 0.980 kg |
| Built-In Depth ( $t_2$ )            | 82.5 mm  |

## Ordering

|                              |             |
|------------------------------|-------------|
| Minimum Order Quantity       | 1 piece     |
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 1.01 kg     |
| E-Number (Finland)           | 3217586     |

## Certificates and Declarations

|                                  |                 |
|----------------------------------|-----------------|
| CB Certificate                   | 9AKK108468A1243 |
| CEBEC Certificate                | 9AKK108468A1244 |
| Declaration of Conformity - CE   | 9AKK108468A0836 |
| Declaration of Conformity - UKCA | 9AKK108468A0837 |
| DNV GL Certificate               | 2CCC413018D0201 |

## Installation

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

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK108468A0873 |
|-----------------------------------|-----------------|

## Classifications

|                            |  |
|----------------------------|--|
| ETIM 8                     | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9                     | EC000042 - Miniature circuit breaker (MCB)                 |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Business                                       |
| CN8                        | 85362090   |
| 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<br>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 |

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**Categories**


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

