

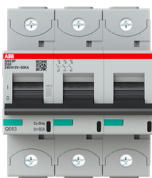



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 PRODUCT-DETAILS

## S803P-D80

S803P-D80 High Performance Circuit Breaker.  
D Characteristic. 50kA, 80A, 3P




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### General Information

|                        |   |
|------------------------|---|
| Extended Product Type: | S803P-D80   |
| Product ID:            | 2CCG001244R0001   |
| EAN:                   | 7612271517137   |
| Catalog Description:   | S803P-D80 High Performance Circuit Breaker. D Characteristic. 50kA, 80A, 3P |
| Long Description:      | S803P-D80 High Performance Circuit Breaker. D Characteristic. 50kA, 80A, 3P |
| Display Name:          | S803P-D80   |

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### ABB EcoSolutions

|  |  |
|--|--|
| ABB EcoSolutions:                                  | Yes  |
| EcoSolutions Profile:                              | 9AKK108471A1082  |
| Recyclability Rate of the Product acc. to EN45555: | Design for Closing Resource Loops - Standard EN45555 - 86.29 % |
| ABB Site Meeting Group Waste To Landfill Target:   | No non-hazardous waste is sent to a landfill                   |
| End Of Life Disassembling Instructions:            | 9AKK108470A2575  |

Environmental Product Declaration - EPD: 9AKK108470A1695,9AKK108470A1696

## Technical

|  |   |
|--|---|
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (415 V AC) 50 kA<br>(440 V AC) 30 kA<br>(500 V AC) 15 kA<br>(690 V AC) 6 kA<br>(375 V DC) 30 kA |
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (240 / 415 V AC) 40 kA  |
| <b>Contact Position Indication:</b>  | ON / OFF / TRIP   |
| <b>Energy Limiting Class:</b>  | 3   |
| <b>Number of Protected Poles:</b>  | 3   |
| <b>Number of Poles:</b>  | 3P  |
| <b>Tightening Torque:</b>  | 3.5 N·m   |
| <b>Release Type:</b>   | D   |
| <b>Actuator Marking:</b>   | I / O   |
| <b>Recommended Screw Driver:</b>   | Pozidriv 2  |
| <b>Accessories Available:</b>  | Yes   |
| <b>Connecting Capacity:</b>  | Flexible 1...50 mm <sup>2</sup><br>Rigid 1...70 mm <sup>2</sup>                                 |
| <b>Wire Stripping Length:</b>  | 19 mm   |

## Electrical

|  |  |
|--|--|
| <b>Tripping Characteristic:</b>                                | D  |
| <b>Rated Operational Voltage:</b>                              | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 690 V AC |
| <b>Rated Insulation Voltage (<math>U_i</math>):</b>            | acc. to IEC/EN 60664-1 690 V                                 |
| <b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b> | 6 kV   |
| <b>Input Voltage Type:</b>                                     | AC/DC  |
| <b>Rated Current (<math>I_n</math>):</b>                       | 80 A   |
| <b>Rated Short-Circuit Capacity:</b>                           | (400 V AC) 25 kA   |
| <b>Frequency (f):</b>  | 50/60 Hz   |
| <b>Rated Frequency (f):</b>                                    | 50/60 Hz   |
| <b>Power Loss:</b>   | Total 19.2 W<br>at Rated Operating Conditions per Pole 6.4 W |
| <b>Overvoltage Category:</b>                                   | III  |

## Material Compliance

|                          |  |
|--------------------------|--|
| <b>RoHS Declaration:</b> | 9AKK108468A0836  |
| <b>RoHS Information:</b> | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| <b>RoHS Date:</b>        | 20230505   |

|   |  |
|---|--|
| <b>REACH Declaration:</b>                           | 9AKK108470A9089  |
| <b>REACH Information:</b>                           | False - does not contain substances > 0.1 mass percentage  |
| <b>REACH Date:</b>                                  | 20250313   |
| <b>Conflict Minerals Reporting Template (CMRT):</b> | 9AKK108468A3363  |
| <b>WEEE Category:</b>                               | 5. Small Equipment (No External Dimension More Than 50 cm) |
| <b>WEEE B2C / B2B:</b>                              | Business To Business                                       |

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## Environmental

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|   |  |
|---|--|
| <b>Ambient Air Temperature:</b>           | Operation -40 ... 70 °C<br>Storage -40 ... 70 °C |
| <b>Reference Ambient Air Temperature:</b> | 30 °C  |
| <b>Degree of Protection:</b>              | IP20   |
| <b>Pollution Degree:</b>                  | 3  |

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## Dimensions

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|   |         |
|---|---------|
| <b>Width in Number of Modular Spacings:</b> | 4.5     |
| <b>Product Net Width:</b>                   | 81.0 mm |
| <b>Product Net Height:</b>                  | 95.0 mm |
| <b>Product Net Depth / Length:</b>          | 82.5 mm |
| <b>Product Net Weight:</b>                  | 740 g   |
| <b>Built-In Depth (t<sub>2</sub>):</b>      | 82.5 mm |

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## Engineering

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|                    |                  |
|--------------------|------------------|
| <b>EPLAN Data:</b> | 9AAF605105_EPLAN |
|--------------------|------------------|

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## Ordering

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|                                      |             |
|--------------------------------------|-------------|
| <b>Package Level 1 Units:</b>        | box 1 piece |
| <b>Package Level 1 Gross Weight:</b> | 775 g       |
| <b>E-Number (Finland):</b>           | 3217582     |
| <b>E-Number (Norway):</b>            | 1629248     |
| <b>E-Number (Sweden):</b>            | 2101455     |

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## Certificates and Declarations

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|                           |                 |
|---------------------------|-----------------|
| <b>CB Certificate:</b>    | 9AKK108468A1243 |
| <b>CCC Certificate:</b>   | 9AKK108468A8539 |
| <b>CEBEC Certificate:</b> | 9AKK108468A1244 |

|  |                 |
|--|-----------------|
| <b>Declaration of Conformity - CE:</b>   | 9AKK108468A0836 |
| <b>Declaration of Conformity - UKCA:</b> | 9AKK108468A0837 |
| <b>DNV GL Certificate:</b>               | 2CCC413018D0201 |
| <b>ESTI Certificate:</b>                 | 9AKK108468A2302 |
| <b>KC Certificate:</b>                   | 9AKK108468A8755 |
| <b>LR Certificate:</b>                   | 9AKK108468A8541 |
| <b>RINA Certificate:</b>                 | 9AKK108469A1379 |
| <b>UL Certificate:</b>                   | 9AKK108469A1794 |
| <b>VDE Certificate:</b>                  | 9AKK108468A6941 |

## Installation

|                                  |  |
|----------------------------------|--|
| <b>Instructions and Manuals:</b> | 2CCC413016M0008  |
| <b>Mounting on DIN Rail:</b>     | 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 |
| <b>Mounting Position:</b>        | Any  |

## Popular Downloads

|   |   |
|---|---|
| <b>Data Sheet, Technical Information:</b> | 9AKK108468A9560<br>9AKK108468A9561<br>9AKK108468A9562 |
|---|---|

## External Classifications and Standards

|  |  |
|--|--|
| <b>ETIM 9:</b>                             | EC000042 - Miniature circuit breaker (MCB)             |
| <b>ETIM 10:</b>                            | EC000042 - Miniature circuit breaker (MCB)             |
| <b>UNSPSC:</b>                             | 39121603   |
| <b>eClass:</b>                             | V11.0 : 27141901                                       |
| <b>IDEA Granular Category Code (IGCC):</b> | 4899 >> Miniature circuit breaker (MCB) screw-in model |
| <b>Object Classification Code:</b>         | F  |
| <b>Standards:</b>                          | IEC/EN 60947-2<br>UL 1077                              |

## Accessories

| Identifier      | Description                  | Qty | Type         | Unit Of Measure |
|-----------------|------------------------------|-----|--------------|-----------------|
| 2CCS800900R0011 | Auxiliary contact            | 1   | S800-AUX     | piece           |
| 2CCS800900R0021 | Auxiliary and signal contact | 1   | S800-AUX/ALT | piece           |
| 2CCS800900R0191 | Shunt Operating Release      | 1   | S800-SOR24   | piece           |
| 2CCS800900R0221 | Shunt Operating Release      | 1   | S800-SOR130  | piece           |
| 2CCS800900R0211 | Shunt Operating Release      | 1   | S800-SOR250  | piece           |
| 2CCS800900R0231 | Shunt Operating Release      | 1   | S800-SOR400  | piece           |

|                 |                                       |   |                      |       |
|-----------------|---------------------------------------|---|----------------------|-------|
| 2CCS800900R0201 | Shunt Operating Release               | 1 | S800-SOR12           | piece |
| 1SDA060150R0001 | Rotary drive/handle                   | 1 | S800-RHE-H           | piece |
| 1SDA060151R0001 | Rotary drive/handle                   | 1 | S800-RHE-EM          | piece |
| 1SDA060179R0001 | Rotary drive/handle                   | 1 | S800-RHE-S           | piece |
| 1SDA060180R0001 | Rotary drive/handle                   | 1 | S800-RHE-IP54        | piece |
| 2CCS800900R0041 | Rotary drive/handle                   | 1 | S800-RD              | piece |
| 2CCF019568R0001 | Busbar                                | 1 | S804-BB250           | piece |
| 2CCF019569R0001 | Busbar                                | 1 | S804-BBPC120         | piece |
| 2CCS800900R0071 | Busbar                                | 1 | S803-BB250           | piece |
| 2CCS800900R0081 | Busbar                                | 1 | S800-BBIC            | pack  |
| 2CCS800900R0091 | Busbar                                | 1 | S800-END             | pack  |
| 2CCS800900R0101 | Busbar                                | 1 | S803-BBPC120         | piece |
| 2CCF019562R0001 | Busbar                                | 1 | S803-BB6             | pack  |
| 2CCS800900R0241 | Undervoltage release                  | 1 | S800-UVR36           | piece |
| 2CCS800900R0251 | Undervoltage release                  | 1 | S800-UVR60           | piece |
| 2CCS800900R0271 | Undervoltage release                  | 1 | S800-UVR250          | piece |
| 2CCS800900R0261 | Undervoltage release                  | 1 | S800-UVR130          | piece |
| 2CCS800900R0561 | Various - clips                       | 1 | S800-RAFIX Set Clips | pack  |
| 2CCF019584R0001 | Various - interchangeable adapter kit | 1 | S800-CT2125-T        | pack  |
| 2CCS800900R0161 | Various - interchangeable adapter kit | 1 | S800-RT2125          | pack  |
| 2CCS800900R0131 | Various - interchangeable adapter kit | 1 | S800-RT4125          | pack  |
| 2CCS800900R0151 | Various - interchangeable adapter kit | 1 | S800-CT4125          | pack  |
| 2CCS800900R0181 | Various - interchangeable adapter kit | 1 | S800-CT2125          | pack  |
| 2CCS800900R0031 | Various - intermediate plate          | 1 | S800-IP9             | piece |
| 2CCS800900R0121 | Various - labelling system            | 1 | S800-ILS             | piece |
| 2CCS800900R0051 | Various - padlock                     | 1 | S800-PLL             | pack  |
| 2CCS800017R0001 | Various - padlock for US              | 1 | S800U-PLL            | piece |
| 2CCS800900R0562 | Various - pole connector              | 1 | S802-LINK125         | pack  |
| 2CCS800900R0411 | Various - pole connector              | 1 | S802-LINK50          | pack  |
| 2CSB802101R1630 | RCD block                             | 1 | DDA802 A-63/0.03     | piece |
| 2CSB802101R3630 | RCD block                             | 1 | DDA802 A-63/0.3      | piece |
| 2CSB802101R4630 | RCD block                             | 1 | DDA802 A-63/0.5      | piece |
| 2CSB803101R1630 | RCD block                             | 1 | DDA803 A-63/0.03     | piece |
| 2CSB803101R3630 | RCD block                             | 1 | DDA803 A-63/0.3      | piece |
| 2CSB803101R4630 | RCD block                             | 1 | DDA803 A-63/0.5      | piece |
| 2CSB802001R1630 | RCD block                             | 1 | DDA802AC-63/0.03     | piece |
| 2CSB802001R3630 | RCD block                             | 1 | DDA802AC-63/0.3      | piece |
| 2CSB803001R1630 | RCD block                             | 1 | DDA803AC-63/0.03     | piece |
| 2CSB803001R3630 | RCD block                             | 1 | DDA803AC-63/0.3      | piece |

|                 |           |   |                      |       |
|-----------------|-----------|---|----------------------|-------|
| 2CSB802201R3630 | RCD block | 1 | DDA802 A S-63/0.3    | piece |
| 2CSB802201R5630 | RCD block | 1 | DDA802 A S-63/1      | piece |
| 2CSB803201R3630 | RCD block | 1 | DDA803 A S-63/0.3    | piece |
| 2CSB803201R5630 | RCD block | 1 | DDA803 A S-63/1      | piece |
| 2CSB802401R1630 | RCD block | 1 | DDA802A-63/0.03 APR  | piece |
| 2CSB802101R4000 | RCD block | 1 | DDA802 A-100/0.5     | piece |
| 2CSB802101R3000 | RCD block | 1 | DDA802 A-100/0.3     | piece |
| 2CSB803101R3000 | RCD block | 1 | DDA803 A-100/0.3     | piece |
| 2CSB803101R4000 | RCD block | 1 | DDA803 A-100/0.5     | piece |
| 2CSB802401R1000 | RCD block | 1 | DDA802A-100/0.03 APR | piece |
| 2CSB802201R5000 | RCD block | 1 | DDA802 A S-100/1     | piece |
| 2CSB803201R5000 | RCD block | 1 | DDA803 A S-100/1     | piece |
| 2CSB802201R3000 | RCD block | 1 | DDA802 A S-100/0.3   | piece |
| 2CSB803201R4000 | RCD block | 1 | DDA803 A S-100/0.5   | piece |
| 2CSB803201R3000 | RCD block | 1 | DDA803 A S-100/0.3   | piece |
| 2CSB804101R1630 | RCD block | 1 | DDA804 A-63/0.03     | piece |
| 2CSB804101R3630 | RCD block | 1 | DDA804 A-63/0.3      | piece |
| 2CSB804101R4630 | RCD block | 1 | DDA804 A-63/0.5      | piece |
| 2CSB804001R1630 | RCD block | 1 | DDA804AC-63/0.03     | piece |
| 2CSB804001R3630 | RCD block | 1 | DDA804AC-63/0.3      | piece |
| 2CSB804201R3630 | RCD block | 1 | DDA804 A S-63/0.3    | piece |
| 2CSB804201R5630 | RCD block | 1 | DDA804 A S-63/1      | piece |
| 2CSB803401R1630 | RCD block | 1 | DDA803A-63/0.03 APR  | piece |
| 2CSB804401R1630 | RCD block | 1 | DDA804A-63/0.03 APR  | piece |
| 2CSB804101R4000 | RCD block | 1 | DDA804 A-100/0.5     | piece |
| 2CSB804101R3000 | RCD block | 1 | DDA804 A-100/0.3     | piece |
| 2CSB804401R1000 | RCD block | 1 | DDA804A-100/0.03 APR | piece |
| 2CSB803401R1000 | RCD block | 1 | DDA803A-100/0.03 APR | piece |
| 2CSB804201R5000 | RCD block | 1 | DDA804 A S-100/1     | piece |
| 2CSB804201R3000 | RCD block | 1 | DDA804 A S-100/0.3   | piece |
| 2CSB804201R4000 | RCD block | 1 | DDA804 A S-100/0.5   | piece |
| 2CSB804001R1100 | RCD block | 1 | DDA804 AC-100/0.03   | piece |
| 2CSB804001R3100 | RCD block | 1 | DDA804 AC-100/0.3    | piece |

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## Categories

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Products > Low Voltage Products and Systems > Modular DIN Rail Products > High Performance Circuit Breakers HPCBs > High Performance Circuit Breakers HPCBs - S800

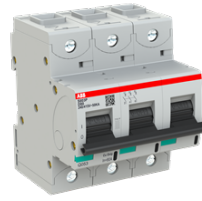
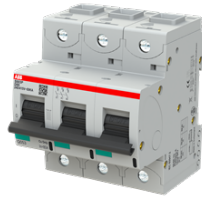


  
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