

PRODUCT-DETAILS

S801B-D100

S801B-D100 High Performance MCB



General Information

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| Extended Product Type | S801B-D100 |
| Product ID | 2CCS811001R0821 |
| EAN | 5413656711780 |
| Catalog Description | S801B-D100 High Performance MCB |
| Long Description | <p>The S801B-D100 is a 1-pole High Performance Circuit breaker with D-Characteristic, with cage terminal and a rated current of 100 A. It is a current limiting device with a maximum breaking capacity of 16kA at 230/400V. It can be used for voltages up to 230/400V. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S801B-D100 complies with IEC/EN 60947-2 and EN 60898-1 and allows the use for residential, commercial and industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S801B-D100 more comfortable. Due to the fast arc extinction of S801B-D100 your application will be secured.</p> |

Technical

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| Standards | IEC/EN 60947-2, IEC/EN 60898-1 |
| Tripping Characteristic | D |
| Rated Voltage (U _r) | acc. to IEC 60947-2 230 V AC acc. to IEC 60947-2 75 V DC acc. to IEC 60898-1 230/400 V AC |
| Rated Operational Voltage | acc. to IEC 60898-1 230 V |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 500 V |
| Rated Impulse Withstand | 6 kV |

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| Voltage (U_{imp}) | |
| Input Voltage Type | AC/DC |
| Rated Current (I_n) | 100 A |
| Rated Operational Current (I_e) | 100 A |
| Rated Short-Circuit Capacity | (230 V) 10 kA (400 V) 10 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (230 V) 16 kA (400 V) 16 kA |
| Rated Conditional Short-Circuit Current (I_{nc}) | (230 V) 10 kA (400 V) 10 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (230 / 400 V AC) 10 kA |
| Frequency (f) | 50...60 Hz |
| Rated Frequency (f) | 50/60 Hz |
| Power Loss | 8 W at Rated Operating Conditions per Pole 8 W |
| Contact Position Indication | ON / OFF / TRIP |
| Energy Limiting Class | 3 |
| Number of Poles | 1 |
| Number of Protected Poles | 1 |
| Oversvoltage Category | III |
| Tightening Torque | 3.5 N·m |
| Release Type | B |
| 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 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 | Flexible 0 ... 50 mm ² Rigid 0 ... 70 mm ² |
| Terminal Type | Screw Terminals |

Environmental

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| Ambient Temperature | -25...60 °C |
| Ambient Air Temperature | Operation -25 ... 60 °C |
| Reference Ambient Air Temperature | acc. to IEC60947-2 30 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Information | 9AKK107680A3903 2CCC005083D0202 |
| Environmental Information | 2CCY413207D0203 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Dimensions

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| 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 | 240 g |
| Built-In Depth (t ₂) | 82.5 mm |

Ordering

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| Minimum Order Quantity | 1 piece |
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 260 g |

Certificates and Declarations

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| Declaration of Conformity - CE | 2CCC005083D0202 |
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Installation

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| Instructions and Manuals | 2CCC413016M0008 |
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Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CCC413003C0208 |
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Classifications

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| 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 | 85362020 |
| eClass | V11.0 : 27141901 |
| Object Classification Code | F |

Categories

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

