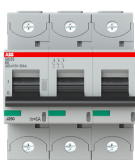


PRODUCT-DETAILS

S803S-K6

S803S-K6 High Performance MCB



General Information

| | |
|-----------------------|--|
| Extended Product Type | S803S-K6 |
| Product ID | 2CCS863001R0067 |
| EAN | 7612271408244 |
| Catalog Description | S803S-K6 High Performance MCB |
| Long Description | <p>The S803S-K6 is a 3-pole High Performance Circuit breaker with K-Characteristic, with cage terminal and a rated current of 6 A. It is a current limiting device with a maximum breaking capacity of 50kA at 240/415V. It can be used for voltages up to 400/690V and in DC as well. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S803S-K6 complies with IEC/EN 60947-2 and allows the use for industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S803S-K6 more comfortable. Due to the fast arc extinction of S803S-K6 your application will be secured.</p> |

Technical

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| Standards | IEC/EN 60947-2, IEC/EN 60898-1, UL 1077 |
| Tripping Characteristic | K |
| Rated Voltage (U _r) | acc. to IEC 60947-2 690 V AC acc. to IEC 60947-2 375 V DC acc. to IEC 60898-1 400 V AC |
| 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 | 8 kV |

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|---|--|
| Voltage (U_{imp}) | |
| Input Voltage Type | AC/DC |
| Rated Current (I_n) | 6 A |
| Rated Operational Current (I_e) | 6 A |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (230 V) 50 kA (400 V) 6 kA |
| Rated Conditional Short-Circuit Current (I_{nc}) | (230 V) 50 kA (400 V) 50 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (240 / 415 V AC) 40 kA (254 / 440 V AC) 22.5 kA (400 / 690 V AC) 4 kA (125 V DC) 30 kA |
| Frequency (f) | 50...50 Hz |
| Rated Frequency (f) | 50/60 Hz |
| Power Loss | 5.1 W at Rated Operating Conditions per Pole 1.7 W |
| Contact Position Indication | ON / OFF / TRIP |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 cycle |
| Mechanical Endurance | 10000 cycle |
| Number of Poles | 3 |
| Number of Protected Poles | 3 |
| Overvoltage Category | IV |
| Tightening Torque | 3.5 N·m 31 in·lb |
| Release Type | K |
| 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 40 °C acc. to EN60898-1 40 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Information | 9AKK107680A3903 2CCC005083D0202 |

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|---|-----------------|
| Environmental Information | 2CCY413207D0203 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Technical UL/CSA

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|------------------------------------|---|
| Interrupting Rating acc. to UL1077 | (480Y / 277 V AC) 14 kA (600Y / 347 V AC) 6 kA |
|------------------------------------|---|

Dimensions

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|-------------------------------------|-----------------|
| Width in Number of Modular Spacings | 4.5 |
| Product Net Width | 81 mm |
| Product Net Height | 95 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 735 g |
| Size | 3_modules |
| Built-In Depth (t ₂) | 82.5 mm |
| Dimension Diagram | 2CCC413003C0201 |

Ordering

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|------------------------------|-------------|
| Minimum Order Quantity | 1 piece |
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 770 g |
| E-Number (Finland) | 3212329 |

Certificates and Declarations

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|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CCC005083D0202 |
|--------------------------------|-----------------|

Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 2CCC413016M0008 |
|--------------------------|-----------------|

Popular Downloads

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

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 |

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|----------------------------|------------------|
| 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

