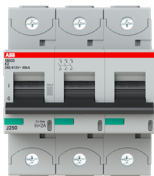




 PRODUCT-DETAILS

S803S-K2

S803S-K2 High Performance MCB



General Information

| | |
|-----------------------|---|
| Extended Product Type | S803S-K2 |
| Product ID | 2CCF019956R0001 |
| EAN | 7612271500221 |
| Catalog Description | S803S-K2 High Performance MCB |
| Long Description | S803S-K2 3 Poles K Characteristic 2A 6 kA 400/690 VAC High Performance Circuit Breaker HPCB |

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 | 9AKK108470A1695 |

Declaration - EPD

9AKK108470A1696

Technical

| | |
|---|--|
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (415 V AC) 50 kA (440 V AC) 30 kA (500 V AC) 15 kA (690 V AC) 6 kA (375 V DC) 30 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (415 V AC) 40 kA (440 V AC) 22.5 kA (500 V AC) 11 kA (690 V AC) 4 kA (375 V DC) 30 kA |
| Contact Position Indication | ON / OFF / TRIP |
| Energy Limiting Class | 3 |
| Number of Protected Poles | 3 |
| Number of Poles | 3P |
| Tightening Torque | 3.5 N·m |
| Actuator Marking | I / O |
| 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 |

Electrical

| | |
|---|--|
| Tripping Characteristic | K |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 690 V AC |
| Rated Insulation Voltage (U_i) | acc. to IEC/EN 60664-1 690 V |
| Rated Impulse Withstand Voltage (U_{imp}) | 8 kV |
| Input Voltage Type | AC/DC |
| Rated Current (I_n) | 2 A |
| Rated Short-Circuit Capacity | (400 V AC) 25 kA |
| Rated Frequency (f) | 50/60 Hz |
| Power Loss | 6.6 W at Rated Operating Conditions per Pole 2.2 W |
| Overvoltage Category | IV |

Design

| | |
|------------------|------------------------------|
| Housing Material | Insulation group I, RAL 7035 |
|------------------|------------------------------|

Technical UL/CSA

Interrupting Rating acc.
to UL1077

(240 V AC) 30 kA
(480V / 277 V AC) 14 kA
(600V / 347 V AC) 6 kA

Material Compliance

| | |
|---|--|
| RoHS Declaration | 2CCC005083D0202 |
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20211214 |
| REACH Declaration | 9AKK108470A9089 |
| REACH Information | False - does not contain substances > 0.1 mass percentage |
| REACH Date | 20250313 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |

Environmental

| | |
|---------------------------|--|
| Ambient Air Temperature | Operation -25 ... +60 °C Storage -40 ... +70 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |
| Resistance to Vibrations | 1 mm 7 - 13.2 Hz 0.7g with Load 100% x le 13.2 - 100 Hz |
| Environmental Information | 2CCY413207D0203 |

Dimensions

| | |
|-------------------------------------|----------|
| 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 | 0.735 kg |
| Built-In Depth (t ₂) | 82.5 mm |

Ordering

| | |
|------------------------------|-------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 775 g |

Certificates and Declarations

| | |
|--------------------------------|-----------------|
| CB Certificate | 9AKK107680A0857 |
| CCC Certificate | 9AKK108469A3021 |
| Declaration of Conformity - CE | 2CCC005083D0202 |
| DNV GL Certificate | 2CCC413018D0201 |
| ESTI Certificate | 2CCC413020D0101 |

| | |
|-----------------|-----------------|
| KC Certificate | 9AKK107680A0932 |
| LR Certificate | 2CCC413017D0201 |
| UL Certificate | 9AKK107680A2286 |
| VDE Certificate | 2CCC413039D0601 |

Installation

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

Popular Downloads

| | |
|-----------------------------------|---|
| Data Sheet, Technical Information | 9AKK108468A9560 9AKK108468A9561 9AKK108468A9562 |
|-----------------------------------|---|

External Classifications and Standards

| | |
|------------------------------------|--|
| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 10 | EC000042 - Miniature circuit breaker (MCB) |
| UNSPSC | 39121603 |
| eClass | V11.0 : 27141901 |
| IDEA Granular Category Code (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model |
| Object Classification Code | F |
| Standards | IEC/EN 60947-2 IEC/EN 60898-1 UL 1077 |

Categories

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

