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PRODUCT-DETAILS

S801S-C13

S801S-C13 High Performance MCB



| General Information | |
|-----------------------|--|
| Extended Product Type | S801S-C13 |
| Product ID | 2CCS861001R0134 |
| EAN | 7612271200497 |
| Catalog Description | S801S-C13 High Performance MCB |
| Long Description | The S801S-C13 is a 1-pole High Performance Circuit breaker with C-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 S801S-C13 complies with IEC/EN 60898-1 and IEC/EN 60947-2 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 S801S-C13 more comfortable. Due to the fast arc extinction of S801S-C13 your application will be secured. |

| Technical | |
|--------------------------|---|
| Standards | IEC/EN 60947-2, IEC/EN 60898-1, UL 1077 |
| Tripping Characteristic | С |
| Type of Residual Current | Standard Version |

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| Rate of Operational Ordrage Operational Voltage Operational Operational Operational Operational Industry Operational Industr | Rated Voltage (U _r) | acc. to IEC 60947-2 400 V AC acc. to IEC 60947-2 125 V DC |
|--|--|---|
| Voltage Volt | | acc. to IEC 60898-1 230/400 V AC |
| Stated Insulation Voltage Minimum 12 V AC Stated Insulation Voltage acc. to IEC/EN 60664-1 690 V Voltage Impulse 8 kV Withstand Voltage (Ulmp) 8 kV Imput Voltage Type AC/DC Stated Operational 13 A Lated Operational 13 A Lated Operational (230 V) 25 A Lated Short-Circuit (230 V) 25 A Lated Short-Circuit (240 V) 50 A Lated Short-Circuit Sheaking (240 V) 50 A Lated Short-Circuit (240 V) 50 A | Rated Operational Voltage | acc. to IEC 60898-1 230 V |
| Digital Digi | Operational Voltage | Maximum 230/400 V AC Minimum 12 V AC |
| withstand Voltage (Uimp AC/DC tated Current (In) 13 A Stated Current (In) 13 A Current (In) 13 A Stated Short-Circuit (230 Y) 25 KA Capacity (400 Y) 25 KA Stated Short-Circuit (A00 Y) 50 KA (400 Y) 50 KA Stated Service Short-Circuit Breaking (240 / 415 V AC) 40 KA Circuit Breaking (25 / 440 V AC) 225 KA Circuit Breaking (25 / 440 V AC) 225 KA Circuit Breaking (25 / 440 V AC) 225 KA Circuit Breaking (25 / 440 V AC) 225 KA Circuit Breaking (25 / 400 V AC) 225 KA Circuit Breaking (25 / 400 V AC) 225 KA Circuit Breaking (26 / 410 V AC) 225 KA Circuit Breaking (26 / 410 V AC) 225 KA Circuit Breaking (26 / 400 V AC) 225 KA Circuit Breaking (26 / 400 V AC) 225 KA Circuit Breaking (26 / 400 V AC) 225 KA Circuit Breaking (26 / 400 V AC) 225 KA Circuit Breaking (26 / 400 V AC) 225 KA Circuit Breaking (26 / 400 V AC) 225 KA 226 V AC Circui | Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 690 V |
| Rated Current (In) 13 A Rated Operational 13 A Lorrent (Ie) (230 Y) 25 kA Rated Short-Circuit (230 Y) 25 kA Lapacity (Ica) (400 V) 50 kA Lircuit Breaking (400 V) 50 kA Lapacity (Ica) (240 V) 50 kA Rated Service Short- (240 V) 68 k3 VAC) 40 kA Lircuit Breaking (254 V 440 V AC) 22.5 kA Lircuit Breaking (254 V 400 V 50 kA Lircuit Breaking (250 V 600 V 600 V AC) 4 kA Lircuit Breaking (250 V 600 V 60 V 600 V AC) 4 kA Lircuit Breaking (250 V 600 V 600 V AC) 4 kA Lircuit Breaking (250 V 600 | Rated Impulse Withstand Voltage (U _{imp}) | 8 kV |
| Auter Care | Input Voltage Type | AC/DC |
| Stated Short-Circuit (230 V) 25 kA Stated Short-Circuit (230 V) 25 kA Stated Ultimate Short-Circuit (240 V) 50 kA Stated Ultimate Short-Circuit (240 V) 50 kA Stated Short-Circuit Breaking (240 V) 50 kA Stated Service Short-Circuit Breaking (240 V 415 V AC) 40 kA Stated Service Short-Circuit Breaking (254 V 440 V AC) 225 kA Stated Service Short-Circuit Breaking (400 V 690 V AC) 4 kA Stated Service Short-Circuit Breaking (400 V 690 V AC) 4 kA Stated Service Short-Circuit Breaking (400 V 690 V AC) 4 kA Stated Frequency (f) 50 60 Hz Stated Frequency | Rated Current (In) | 13 A |
| Eapacity (400 V) 25 kA Rated Ultimate Short- Icrucit Breaking | Rated Operational Current (I _e) | 13 A |
| Eircuit Breaking (400 V) 6 kA Capacity (I _{cu}) (240 / 415 V AC) 40 kA Lared Service Short- (240 / 415 V AC) 20 kA Capacity (I _{cs}) (1400 / 690 V AC) 4 kA Capacity (I _{cs}) (125 V DC) 30 kA Frequency (f) 5060 Hz Stated Frequency (f) 50.60 Hz Power Loss at Rated Operating Conditions per Pole 2 W Contact Position ON / OFF / TRIP Indication ON / OFF / TRIP Mechanical Endurance 10000 cycle Number of Protected 10000 cycle Number of Protected 1 Poless 31 in-lb Release Type C Vacuator Marking C Valuation group I, RAL 7035 Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 Mounting Position Any Recensive 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 Terminal with captive screw | Rated Short-Circuit Capacity | (230 V) 25 kA (400 V) 25 kA |
| Circuit Breaking Capacity (Ics) (254 / 440 V AC) 22.5 K 4 (400 / 690 V AC) 4 KA (125 V DC) 30 KA Frequency (f) Sated Frequency (f) Sover Loss Ower Loss Ower Loss Ower Loss Ower Loss Capacity (Ics) Ower Loss At Rated Operating Conditions per Pole 2 W at Rated Operating Conditions per Pole 2 W at Rated Operating Conditions per Pole 2 W Contact Position Circuit Endurance ON / OFF / TRIP Indication Circuit Endurance Mechanical Endurance Mumber of Protected Voles Number of Poles Overvoltage Category If Virightening Torque Cacutator Marking Outlook Sover (Ics) Outlook Sover (I | Rated Ultimate Short- Circuit Breaking Capacity (I _{cu}) | (240 V) 50 kA (400 V) 6 kA |
| Rated Frequency (f) Contact Position Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw Connecting Capacity Connecting Capacity Connecting Capacity Connecting Capacity Contact Position Contact P | 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 |
| Tower Loss at Rated Operating Conditions per Pole 2 W Contact Position Indication ON / OFF / TRIP Indication Contact Position Indication Indication Indication Indication Indication Indication Insulation group I, RAL 7035 Industry Indication Indicat | Frequency (f) | 50 60 Hz |
| Contact Position ON / OFF / TRIP indication ON / | Rated Frequency (f) | 50/60 Hz |
| Contact Position Indication Energy Limiting Class Electrical Endurance Endu | Power Loss | 2 W |
| Indication Energy Limiting Class Energy Endowment Endowmen | | |
| Energy Limiting Class Electrical Endurance Mechanical Endurance Mechanical Endurance Mechanical Endurance Mumber of Protected Poles Number of | | ON / OFF / TRIP |
| Electrical Endurance 10000 cycle Mechanical Endurance 10000 cycle Mechanical Endurance 10000 cycle Mumber of Protected Poles Number of Poles 1 Divervoltage Category IV Fightening Torque 3.5 N-m 31 in-lb Release Type C 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Recommended Screw Pozidriv 2 Priver 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 mm² Rigid 0 70 mm² Rigid 0 70 mm² | | 3 |
| Number of Protected Poles Number of Poles Numb | Electrical Endurance | 10000 cycle |
| Number of Poles Number of Pole | Mechanical Endurance | 10000 cycle |
| Divervoltage Category Tightening Torque 3.5 N-m 3.1 in-lb Release Type Actuator Marking Housing Material 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Any Recommended Screw Pozidriv 2 Driver Accessories Available 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 mm² Rigid 0 70 mm² | Number of Protected Poles | 1 |
| Tightening Torque 3.5 N·m 31 in·lb Release Type Cactuator Marking Insulation group I, RAL 7035 Mounting on DIN Rail Mounting Position Recommended Screw Recommended Screw Recommended Screw Connecting Available 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 mm² Rigid 0 70 mm² | Number of Poles | 1 |
| Release Type Actuator Marking Housing Material Mounting on DIN Rail Mounting Position Recommended Screw Oriver Accessories Available 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 mm² Rigid 0 70 mm² | Overvoltage Category | IV |
| Actuator Marking Housing Material Mounting on DIN Rail Mounting Position Recommended Screw Pozidriv 2 Cornections Available Remarks Connecting Capacity Flexible 0 50 mm² Rigid 0 70 mm² | Tightening Torque | |
| 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Mounting Position Any Recommended Screw Pozidriv 2 Driver Accessories Available 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 mm² Rigid 0 70 mm² | Release Type | С |
| 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Mounting Position Any Recommended Screw Driver Accessories Available 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 mm² Rigid 0 70 mm² | Actuator Marking | 1/0 |
| TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Mounting Position Recommended Screw Pozidriv 2 Priver Accessories Available 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 mm² Rigid 0 70 mm² | Housing Material | Insulation group I, RAL 7035 |
| Recommended Screw Pozidriv 2 Driver Accessories Available 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 mm² Rigid 0 70 mm² | 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 |
| Oriver Accessories Available 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 mm² Rigid 0 70 mm² | Mounting Position | Any |
| 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 mm² Rigid 0 70 mm² | Recommended Screw Driver | Pozidriv 2 |
| enclosure with cover Cage terminal with captive screw Connecting Capacity Flexible 0 50 mm² Rigid 0 70 mm² | Accessories Available | Yes |
| Rigid 0 70 mm ² | Remarks | · · · · · · · · · · · · · · · · · · · |
| Ferminal Type Screw Terminals | Connecting Capacity | |
| | Terminal Type | Screw Terminals |

| RoHS Information | 9AKK107680A3903 |
|------------------|-----------------|
| | 2CCC005083D0202 |

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| RoHS Status | Following EU Directive 2011/65/EU |
|--------------------|-----------------------------------|
| RoHS Date | 20170426 |
| Conflict Minerals | 9AKK108468A3363 |
| Reporting Template | |
| (CMRT) | |

| Environmental | |
|--------------------------------------|--|
| Ambient Temperature | -2560 °C |
| Ambient Air Temperature | Operation -25 60 °C |
| Reference Ambient Air Temperature | acc. to IEC60947-2 30 °C acc. to EN60898-1 30 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |
| Resistance to Vibrations | 1 mm 2 - 13.2 Hz 0.7g with Load 100% x le 13.2 - 100 Hz |
| Environmental Information | 2CCY413207D0203 |

| Technical UL/CSA | |
|--------------------------|------------------|
| Interrupting Rating acc. | (240 V AC) 30 kA |
| to UL1077 | (277 V AC) 14 kA |
| | (347 V AC) 6 kA |

| Dimensions | |
|--|-----------------|
| 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 | 245 g |
| Size | 1 module |
| Built-In Depth (t ₂) | 82.5 mm |
| Dimension Diagram | 2CCC413003C0201 |

| Ordering | |
|---------------------------------|-------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 270 g |
| E-Number (Finland) | 3212100 |
| E-Number (Switzerland) | 807129315 |

| Certificates and Declarations | |
|-------------------------------|-----------------|
| Declaration of | 2CCC005083D0202 |
| Conformity - CE | |

| Instal | lation | |
|--------|--------|--|
|--------|--------|--|

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Instructions and 2CCC413016M0008 Manuals

Popular Downloads

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

| 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 | 85362020 |
| UNSPSC | 39121603 |
| eClass | V11.0 : 27141901 |
| IDEA Granular Category | 4899 >> Miniature circuit breaker (MCB) screw-in model |
| Code (IGCC) | |
| Object Classification | F |
| Code | |

Categories

 $Low\ Voltage\ Products\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ High\ Performance\ Circuit\ Breakers\ HPCBs\ \rightarrow\ High\ Performance\ Circuit\ Breakers\ HPCBs$





