

PRODUCT-DETAILS

# S802C-C80

## S802C-C80 Interruptor automático alta capacidad



### Información General

|                            |  |
|----------------------------|--|
| Tipo de producto extendido | S802C-C80  |
| Código de producto         | 2CCS882001R0804  |
| EAN                        | 7612271213572  |
| Descripción corta          | S802C-C80 Interruptor automático alta capacidad  |
| Descripción larga          | <p>The S802C-C80 is a 2-pole High Performance Circuit breaker with C-characteristic, with cage terminal and a rated current of 80 A. It is a current limiting device with a maximum breaking capacity of 25kA at 240/415V. It can be used for voltages up to 254/440V 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 S802C-C80 complies with IEC/EN 60898-1 and 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 S802C-C80 more comfortable. Due to the fast arc extinction of S802C-C80 your application will be secured.</p> |

### Technical

|                                 |  |
|---------------------------------|--|
| Standards                       | IEC/EN 60947-2, IEC/EN 60898-1, UL 1077  |
| Tripping Characteristic         | C  |
| Rated Voltage (U <sub>r</sub> ) | acc. to IEC 60947-2 440 V AC<br>acc. to IEC 60947-2 250 V DC<br>acc. to IEC 60898-1 400 V AC |
| Rated Operational Voltage       | acc. to IEC 60947-2 440 V AC<br>acc. to IEC 60947-2 250 V DC<br>acc. to IEC 60898-1 400 V AC |
| Operational Voltage             | Maximum 230/400 V AC<br>Minimum 12 V AC  |

|   |  |
|---|--|
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC/EN 60664-1 500 V   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | 8 kV   |
| Input Voltage Type  | AC/DC  |
| Rated Current (I <sub>n</sub> )                                   | 80 A   |
| Rated Operational Current (I <sub>e</sub> )                       | 80 A   |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )                   | (400 V) 15 kA<br>(230 V) 15 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (240 / 415 V AC) 25 kA<br>(254 / 440 V AC) 15 kA<br>(250 V DC) 10 kA<br>(230 V) 25 kA<br>(400 V) 25 kA               |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )        | (230 V) 25 kA<br>(400 V) 25 kA   |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (240 / 415 V AC) 18 kA<br>(254 / 440 V AC) 10 kA<br>(125 V DC) 10 kA   |
| Frequency (f)   | 50 / 60 Hz   |
| Rated Frequency (f)   | 50...60 Hz   |
| Power Loss  | 12.8 W<br>at Rated Operating Conditions per Pole 6.4 W   |
| Contact Position Indication                                       | ON / OFF / TRIP  |
| Energy Limiting Class   | 3  |
| Electrical Endurance  | 6000 cycle<br>4000 cycle   |
| Number of Poles   | 2  |
| Number of Protected Poles   | 2  |
| Overvoltage Category  | IV   |
| Tightening Torque   | 3.5 N·m<br>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<br>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   | Rigid 0 ... 50 mm <sup>2</sup><br>Flexible 0 ... 70 mm <sup>2</sup>  |
| Terminal Type   | Screw Terminals  |

## Ambiente

|  |   |
|--|---|
| Ambient Temperature                            | -25...60 °C   |
| Temperatura ambiente                           | Funcionamiento -25...60 °C                                |
| Reference Ambient Air Temperature              | acc. to IEC60947-2 30 °C<br>acc. to EN60898-1 30 °C       |
| Grado de protección                            | 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 |
| Resistance to Shock acc.                       | 5 g   |

|                           |                                   |
|---------------------------|-----------------------------------|
| to IEC 60068-2-27         | 30 ms                             |
| RoHS Status               | Following EU Directive 2011/65/EU |
| Environmental Information | 2CCY413207D0203                   |

## Technical UL/CSA

|                                    |   |
|------------------------------------|---|
| Interrupting Rating acc. to UL1077 | (480Y / 277 V AC) 10 kA<br>(250 V DC) 10 kA |
|------------------------------------|---|

## Dimensiones

|                                     |         |
|-------------------------------------|---------|
| Width in Number of Modular Spacings | 3       |
| Ancho del product                   | 54 mm   |
| Alto del producto                   | 95 mm   |
| Largo del product                   | 82.5 mm |
| Peso del product                    | 490 g   |
| Product Net Length                  | 54 mm   |
| Built-In Depth (t <sub>2</sub> )    | 82.5 mm |

## Información de Embalaje

|                           |               |
|---------------------------|---------------|
| Embalaje Nivel 1 Unidades | box 1 piece   |
| Embalaje Nivel 1 Ancho    | 105 mm        |
| Embalaje Nivel 1 Alto     | 99 mm         |
| Embalaje Nivel 1 Largo    | 60 mm         |
| Embalaje Nivel 1 Peso     | 510 g         |
| Embalaje Nivel 1 EAN      | 7612271213572 |

## Clasificación

|                           |                  |
|---------------------------|------------------|
| Cantidad mínima de pedido | 1 piece          |
| Código arancelario        | 85362090         |
| Country of Origin         | Switzerland (CH) |

## Certificados y Declaraciones (Número de Documento)

|                                 |                                  |
|---------------------------------|----------------------------------|
| Declaración de conformidad - CE | 2CCC005083D0202                  |
| Environmental Information       | 2CCY413207D0203                  |
| Instrucciones y manuales        | 2CCC413016M0008                  |
| RoHS Information                | 2CCC005083D0202, 9AKK107680A3903 |

## Descargas Populares

|                                    |                 |
|------------------------------------|-----------------|
| Ficha técnica, información técnica | 2CCC413003C0208 |
| Instrucciones y manuales           | 2CCC413016M0008 |
| Dimension Diagram                  | 2CCC413003C0201 |

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**Clasificaciones**

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|                            |  |
|----------------------------|--|
| ETIM 7                     | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 8                     | EC000042 - Miniature circuit breaker (MCB)                 |
| EPLAN Catalog Tree         | Electrical engineering / Protection devices / General      |
| Categoría RAEE             | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Business                                       |
| CN8                        | 85362020   |
| Object Classification Code | F  |

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**Categorías**

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Productos y sistemas de baja tensión → Aparatos modulares de instalación → Interruptores automáticos alto rendimiento HPCBs

