

PRODUCT-DETAILS

# S802PV-SP25

## S802PV-SP25 High Performance MCB



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | S802PV-SP25  |
| Product ID            | 2CCF019601R0001  |
| EAN                   | 7612271471279  |
| Catalog Description   | S802PV-SP25 High Performance MCB   |
| Long Description      | <p>The S802PV-SP25 is a 2-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 25 A. It is a current limiting device with a maximum breaking capacity of 5kA at 800V. It can be used for voltages up to 800V DC. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S802PV-SP25 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 S802PV-SP25 more comfortable. Due to the fast arc extinction of S802PV-SP25 your application will be secured.</p> |

### Technical

|   |                               |
|---|-------------------------------|
| Standards                                     | IEC/EN 60947-2                |
| Tripping Characteristic                       | B                             |
| Rated Voltage ( $U_r$ )                       | acc. to IEC 60947-2 800 V DC  |
| Rated Operational Voltage                     | acc. to IEC 60898-1 400 V     |
| Rated Insulation Voltage ( $U_i$ )            | acc. to IEC/EN 60664-1 1500 V |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | 8 kV                          |

|   |   |
|---|---|
| Input Voltage Type  | DC  |
| Rated Current ( $I_n$ )                                     | 25 A  |
| Rated Operational Current ( $I_e$ )                         | 25 A  |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (800 V DC) 5 kA   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (800 V DC) 5 kA   |
| Frequency (f)   | 0...0 Hz  |
| Rated Frequency (f)   | 0 Hz  |
| Power Loss  | 8.6 W<br>at Rated Operating Conditions per Pole 4.3 W               |
| Energy Limiting Class                                       | 3   |
| Number of Poles   | 2   |
| Number of Protected Poles                                   | 2   |
| Overvoltage Category  | III   |
| Release Type  | SP  |
| Accessories Available                                       | Yes   |
| Connecting Capacity   | Flexible 0 ... 50 mm <sup>2</sup><br>Rigid 0 ... 70 mm <sup>2</sup> |

## Environmental

|   |                                    |
|---|------------------------------------|
| Ambient Temperature                         | -25...60 °C                        |
| Ambient Air Temperature                     | Operation -25 ... 60 °C            |
| Degree of Protection                        | IP20                               |
| Pollution Degree                            | 2                                  |
| RoHS Status                                 | Following EU Directive 2011/65/EU  |
| RoHS Information                            | 9AKK107680A3903<br>2CCC005084D0202 |
| Environmental Information                   | 2CCY413207D0203                    |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                    |

## Dimensions

|                                     |         |
|-------------------------------------|---------|
| Width in Number of Modular Spacings | 3       |
| Product Net Width                   | 54 mm   |
| Product Net Height                  | 95 mm   |
| Product Net Depth / Length          | 82.5 mm |
| Product Net Weight                  | 490 g   |
| Built-In Depth ( $t_2$ )            | 82.5 mm |

## Ordering

|                              |             |
|------------------------------|-------------|
| Minimum Order Quantity       | 1 piece     |
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 510 g       |

|                    |         |
|--------------------|---------|
| E-Number (Finland) | 3214007 |
| E-Number (Sweden)  | 2100088 |

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## Certificates and Declarations

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|-----------------------------------|-----------------|
| Declaration of Conformity<br>- CE | 2CCC005084D0202 |
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## Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 2CCC413016M0008 |
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## Popular Downloads

|                                      |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 2CCC413003C0208 |
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## 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   |
| eClass                     | V11.0 : 27141901   |
| Object Classification Code | F  |

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## Categories

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

