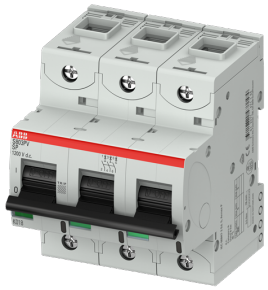
PRODUCT-DETAILS

# S803PV-SP25

## S803PV-SP25 High Performance MCB



### General Information

| | |
|---|---|
| Extended Product Type | S803PV-SP25 |
| Product ID | 2CCF019614R0001 |
| EAN | 7612271471538 |
| Catalog Description | S803PV-SP25 High Performance MCB |
| Long Description | The S803PV-SP25 is a 3-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 1200V. It can be used for voltages up to 1200V DC. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S803PV-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 S803PV-SP25 more comfortable. Due to the fast arc extinction of S803PV-SP25 your application will be secured. |

### Technical

| | |
|---|---|
| Standards | IEC/EN 60947-2 |
| Number of Poles | 3 |
| Number of Protected Poles | 3 |
| Tripping Characteristic | B |
| Rated Current ($I_n$) | 25 A |
| Rated Operational Voltage | 1200 V DC |
| Rated Voltage ($U_r$) | 1500 V |

| | |
|---|---|
| Power Loss | 12.9 W<br>at Rated Operating Conditions per Pole 4.3 W |
| Rated Insulation Voltage ($U_i$) | 1500 V |
| Rated Short-Circuit Capacity ($I_{cn}$) | (400 V) 5 kA<br>(230 V) 5 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (1200 V DC) 5 kA |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (1200 V DC) 5 kA |
| Energy Limiting Class | 3 |
| Overvoltage Category | III |
| Pollution Degree | 2 |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 8 kV |
| Degree of Protection | IP20 |
| Connecting Capacity | Rigid 0 ... 50 mm²<br>Flexible 0 ... 70 mm² |
| Built-In Depth ($t_2$) | 111 mm |

## Environmental

| | |
|---|---|
| Ambient Air Temperature | Operation -25...60 °C |
| RoHS Status | Following EU Directive 2011/65/EU |

## Dimensions

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|---|---|
| Product Net Width | 81 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Height | 95 mm |
| Product Net Weight | 735 g |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 105 mm |
| Package Level 1 Depth / Length | 86 mm |
| Package Level 1 Height | 99 mm |
| Package Level 1 Gross Weight | 770 g |
| Package Level 1 EAN | 7612271471538 |

## Ordering

| | |
|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85352120 |

## Certificates and Declarations (Document Number)

| | |
|---|---|
| Declaration of Conformity - CE | 2CCC413058D0201 |
| Environmental | 2CCY413207D0203 |

| Information | |
|---|---|
| Instructions and Manuals | 2CCC413016M0008 |
| RoHS Information | 2CCC413058D0201<br>9AKK107680A3903 |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 2CCC413003C0208 |
| Instructions and Manuals | 2CCC413016M0008 |

## Classifications

| | |
|---|---|
| Object Classification Code | F |
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |

## Categories

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

