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 PRODUCT-DETAILS

# S804PV-SP16

## High Performance MCB




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### General Information

|                       |                      |
|-----------------------|----------------------|
| Extended Product Type | S804PV-SP16          |
| Product ID            | 2CCF019624R0001      |
| EAN                   | 7612271471736        |
| Catalog Description   | High Performance MCB |

|                  |   |
|------------------|---|
| Long Description | <p>The S804PV-SP16 is a 4-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 16 A. It is a current limiting device with a maximum breaking capacity of 5kA at 1500V. It can be used for voltages up to 1500V DC. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S804PV-SP16 complies with IEC/EN 60947 -2 Annex P 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 S804PV-SP16 more comfortable. Due to the fast arc extinction of S804PV-SP16 your application will be secured.</p> |
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### ABB EcoSolutions

|   |  |
|---|--|
| ABB EcoSolutions                                  | Yes  |
| 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 Declaration - EPD | 9AKK108470A1695<br>9AKK108470A1696 |

## Technical

|   |   |
|---|---|
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (1500 V DC) 5 kA  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (1500 V DC) 5 kA  |
| Energy Limiting Class                                       | 3   |
| Number of Protected Poles                                   | 4   |
| Number of Poles   | 4P  |
| Release Type  | SP  |
| Actuator Marking  | I / O   |
| Accessories Available                                       | Yes   |
| Connecting Capacity   | Flexible 0 ... 50 mm <sup>2</sup><br>Rigid 0 ... 70 mm <sup>2</sup> |

## Electrical

|   |  |
|---|--|
| Tripping Characteristic                       | SP   |
| Rated Operational Voltage                     | acc. to IEC 60947-2 1500 V DC                          |
| 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 ( $I_n$ )                       | 16 A   |
| Frequency (f)                                 | 0...0 Hz   |
| Rated Frequency (f)                           | 0 Hz   |
| Power Loss                                    | 12.4 W<br>at Rated Operating Conditions per Pole 3.1 W |
| Overvoltage Category                          | III  |

## Material Compliance

|   |  |
|---|--|
| RoHS Information                            | 9AKK107680A3903<br>2CCC005084D0202                         |
| RoHS Status                                 | Following EU Directive 2011/65/EU                          |
| RoHS Date                                   | 20170426   |
| REACH Declaration                           | 9AKK108468A3036  |
| REACH Information                           | False - does not contain substances > 0.1 mass percentage  |
| REACH Date                                  | 20200527   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363  |
| WEEE Category                               | 5. Small Equipment (No External Dimension More Than 50 cm) |

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## Environmental

|                           |  |
|---------------------------|--|
| Ambient Air Temperature   | Operation -25 ... +60 °C<br>Storage -40 ... +70 °C |
| Degree of Protection      | IP20   |
| Pollution Degree          | 2  |
| Environmental Information | 2CCY413207D0203                                    |

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## Dimensions

|                                     |         |
|-------------------------------------|---------|
| Width in Number of Modular Spacings | 6       |
| Product Net Width                   | 106 mm  |
| Product Net Height                  | 95 mm   |
| Product Net Depth / Length          | 82.5 mm |
| Product Net Weight                  | 980 g   |
| Built-In Depth (t <sub>2</sub> )    | 82.5 mm |

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## Ordering

|                              |             |
|------------------------------|-------------|
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 1010 g      |
| E-Number (Finland)           | 3214020     |

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## Certificates and Declarations

|                                |                     |
|--------------------------------|---------------------|
| CCC Certificate                | CQC2019010307237666 |
| Declaration of Conformity - CE | 2CCC005084D0202     |
| VDE Certificate                | 9AKK107680A0849     |

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## Installation

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

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## Popular Downloads

|                                   |   |
|-----------------------------------|---|
| Data Sheet, Technical Information | 9AKK108468A9560<br>9AKK108468A9561<br>9AKK108468A9562 |
|-----------------------------------|---|

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## External Classifications and Standards

|                            |  |
|----------------------------|--|
| ETIM 9                     | EC000042 - Miniature circuit breaker (MCB) |
| eClass                     | V11.0 : 27141901                           |
| Object Classification Code | F  |

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## Categories

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



360°

