



Electric Automation
Automation specialists

Reference: S804PV-S13
Code: 2CCP844001R1139

S804PV-S13-R High Performance Circuit Breaker

Buy it at [Electric Automation Network](#)



The S804PV-S13 is a 2-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 13 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 S804PV-S13 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 S804PV-S13 more comfortable. Due to the fast arc extinction of S804PV-S13 your application will be secured.

Ordering

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|-------------------------|---------------|
| EAN: | 7612271211141 |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85362020 |

Dimensions

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|---------------------|---------|
| Product Net Width: | 106 mm |
| Product Net Depth: | 82.5 mm |
| Product Net Height: | 95 mm |
| Product Net Weight: | 0.98 kg |

Container Information

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|-------------------------------|---------------|
| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 105 mm |
| Package Level 1 Length: | 111 mm |
| Package Level 1 Height: | 99 mm |
| Package Level 1 Gross Weight: | 1.01 kg |
| Package Level 1 EAN: | 7612271211141 |

Environmental

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|---|---|
| Ambient Air Temperature: | Operation -25 ... +60 °C Storage -40 ... +70 °C |
| Resistance to Shock acc. to IEC 60068-2-27: | 5 g 30 ms |
| Resistance to Vibrations acc. to IEC 60068-2-6: | 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x Ie |
| Environmental Conditions: | Damp Heat Cyclic acc. to IEC 60068-2-30 12+12 cycle Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96% Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100% Dry Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C Dry Heat Test B acc. to IEC 60068-2-2 2 hour @ 70 °C |
| RoHS Status: | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

Technical

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| Standards: | IEC/EN 60947-2 |
| Number of Poles: | 4 |
| Tripping Characteristic: | B |
| Rated Current (I_n): | 13 |
| Rated Operational Voltage: | 1200 V DC |
| Power Loss: | at Rated Operating Conditions per Pole 2 W |
| Rated Insulation Voltage (U_i): | 1500 V DC |
| 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 |
| Overvoltage Category: | III |
| Pollution Degree: | 2 |
| Rated Impulse Withstand Voltage (U_{imp}): | 8 kV |
| Housing Material: | Insulation group I, RAL 7035 |
| Contact Position Indication: | ON / OFF / TRIP |
| Degree of Protection: | acc. to IEC 60529 IP20 |

| | |
|---------------------------|---|
| Remarks: | Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw |
| Terminal Type: | Screw Terminals |
| Connecting Capacity: | Flexible 1 ... 50 mm ² Flexible Stranded 1 ...70 mm ² |
| Tightening Torque: | 3.5 N·m |
| Recommended Screw Driver: | Pozidriv 2 |
| 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 |
| Mounting Position: | Any |

Certificates and Declarations (Document Number)

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|---------------------------------|-----------------|
| Declaration of Conformity - CE: | 2CCC413035D0601 |
| RoHS Information: | 2CCC413008D0204 |

Classifications

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|-----------------------------|--|
| ETIM 4: | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 5: | EC000042 - Miniature circuit breaker (MCB) |
| Object Classification Code: | F |