



**Electric Automation**  
Automation specialists

Reference: S802PV-S50  
Code: 2CCP842001R1509

S802PV-S50-R High Performance Circuit Breaker

[Buy it at Electric Automation Network](#)



The S802PV-S50 is a 2-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 50 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-S50 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-S50 more comfortable. Due to the fast arc extinction of S802PV-S50 your application will be secured.

### Ordering

EAN:	7612271211004
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362020

### Dimensions

Product Net Width:	54 mm
Product Net Depth:	82.5 mm
Product Net Height:	95 mm
Product Net Weight:	0.49 kg

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	105 mm
Package Level 1 Length:	60 mm
Package Level 1 Height:	99 mm
Package Level 1 Gross Weight:	0.51 kg
Package Level 1 EAN:	7612271211004

## Environmental

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

Standards:	IEC/EN 60947-2
Number of Poles:	2
Tripping Characteristic:	B
Rated Current ( $I_n$ ):	50
Rated Operational Voltage:	800 V DC
Power Loss:	at Rated Operating Conditions per Pole 4.3 W
Rated Insulation Voltage ( $U_i$ ):	1500 V DC
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
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 <sup>2</sup> Flexible Stranded 1 ...70 mm <sup>2</sup>
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)

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

### Classifications

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