

## General Information

Extended Product Type:	S804PV-S16
Product ID:	2CCP844001R1169
EAN:	7612271211158
Catalog Description:	S804PV-S16-R High Performance Circuit Breaker
Long Description:	The S804PV-S16 is a 2-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 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-S16 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-S16 more comfortable. Due to the fast arc extinction of S804PV-S16 your application will be secured.

## Categories

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

## Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362020
EAN:	7612271211158

## Dimensions

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

## Container Information

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:	7612271211158
Package Level 1 Units:	1 piece

## 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

Number of Poles:	4
Tripping Characteristic:	B
Rated Current (I <sub>N</sub> ):	16
Rated Operational Voltage:	1200 V DC
Power Loss:	at Rated Operating Conditions per Pole 3.1 W
Rated Insulation Voltage (U <sub>i</sub> ):	1500 V DC
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ):	(1200 V DC) 5 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):	(1200 V DC) 5 kA
Overvoltage Category:	III

<b>Pollution Degree:</b>	2
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	8 kV
<b>Housing Material:</b>	Insulation group I, RAL 7035
<b>Contact Position Indication:</b>	ON / OFF / TRIP
<b>Degree of Protection:</b>	acc. to IEC 60529 IP20
<b>Remarks:</b>	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
<b>Terminal Type:</b>	Screw Terminals
<b>Connecting Capacity:</b>	Flexible 1 ... 50 mm <sup>2</sup> Flexible Stranded 1 ... 70 mm <sup>2</sup>
<b>Tightening Torque:</b>	3.5 N·m
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Mounting on DIN Rail:</b>	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
<b>Mounting Position:</b>	Any
<b>Standards:</b>	IEC/EN 60947-2

#### Certificates and Declarations (Document Number)

<b>Instructions and Manuals:</b>	2CCC413016M0032
<b>Data Sheet, Technical Information:</b>	2CCC413003C0203
<b>Declaration of Conformity - CE:</b>	2CCC413035D0601
<b>RoHS Information:</b>	2CCC413008D0204

#### Classifications

<b>ETIM 4:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 5:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 6:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>Object Classification Code:</b>	F

