

General Information

Extended Product Type:	S802PV-S16
Product ID:	2CCP842001R1169
EAN:	7612271210953
Catalog Description:	S802PV-S16-R High Performance Circuit Breaker
Long Description:	The S802PV-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 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-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 S802PV-S16 more comfortable. Due to the fast arc extinction of S802PV-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:	7612271210953

Dimensions

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

Container Information

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:	7612271210953
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:	2
Tripping Characteristic:	B
Rated Current (I _N):	16
Rated Operational Voltage:	800 V DC
Power Loss:	at Rated Operating Conditions per Pole 3.1 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 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
Standards:	IEC/EN 60947-2

Certificates and Declarations (Document Number)

Instructions and Manuals:	2CCC413016M0008
Data Sheet, Technical Information:	2CCC413003C0203
Declaration of Conformity - CE:	2CCC413035D0601
RoHS Information:	2CCC413008D0204

Classifications

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

