

PRODUCT-DETAILS

# S802PV-SP6

## S802PV-SP6 High Performance MCB



### General Information

Extended Product Type	S802PV-SP6
Product ID	2CCF019643R0001
EAN	7612271472115
Catalog Description	S802PV-SP6 High Performance MCB
Long Description	<p>The S802PV-SP6 is a 2-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 6 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-SP6 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-SP6 more comfortable. Due to the fast arc extinction of S802PV-SP6 your application will be secured.</p>

### Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	B
Rated Voltage ( $U_r$ )	acc. to IEC 60947-2 800 V DC
Rated Operational Voltage	acc. to IEC 60898-1 400 V
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 ( $I_n$ )	6 A
Rated Operational Current ( $I_e$ )	6 A
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
Frequency (f)	0...0 Hz
Rated Frequency (f)	0 Hz
Power Loss	3.6 W at Rated Operating Conditions per Pole 1.8 W
Energy Limiting Class	3
Number of Poles	2
Number of Protected Poles	2
Overvoltage Category	III
Release Type	SP
Accessories Available	Yes
Connecting Capacity	Flexible 0 ... 50 mm <sup>2</sup> Rigid 0 ... 70 mm <sup>2</sup>

## Environmental

Ambient Temperature	-25...60 °C
Ambient Air Temperature	Operation -25 ... 60 °C
Degree of Protection	IP20
Pollution Degree	2
RoHS Status	Following EU Directive 2011/65/EU
RoHS Information	9AKK107680A3903 2CCC005084D0202
Environmental Information	2CCY413207D0203
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Dimensions

Width in Number of Modular Spacings	3
Product Net Width	54 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	490 g
Built-In Depth ( $t_2$ )	82.5 mm

## Ordering

Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	510 g

E-Number (Finland)

3214001

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## Certificates and Declarations

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Declaration of Conformity  
- CE

2CCC005084D0202

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## Installation

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Instructions and Manuals

2CCC413016M0008

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## Popular Downloads

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Data Sheet, Technical  
Information

2CCC413003C0208

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## Classifications

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ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
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

