

PRODUCT-DETAILS

# S802PV-M100-H

## S802PV-M100-H High Performance MCB



### General Information

Extended Product Type	S802PV-M100-H
Product ID	2CCP247212R0001
EAN	7612271419301
Catalog Description	S802PV-M100-H High Performance MCB
Long Description	The S802PV-M100-H is a 2-pole polarized disconnecter for photovoltaics. It can be used for currents up to 100A and has a rated operational voltage of 1000V DC by only 54mm width. The rated short-term withstand current $I_{cw}$ is 1.5kA. The S802PV-M100-H complies with IEC/EN 60947-3. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S802PV-M100-H more comfortable.

### Technical

Standards	IEC/EN 60947-3
Rated Voltage ( $U_r$ )	acc. to IEC 60947-3 1000 V DC
Rated Operational Voltage	1000 V DC
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 1500 V DC
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Rated Current ( $I_n$ )	100 A
Rated Operational Current ( $I_e$ )	100 A
Rated Short-Circuit Making Capacity ( $I_{cm}$ )	(1000 V DC) 0.5 kA
Rated Short-time Withstand Current Low	1.5 kA

Voltage ( $I_{cw}$ )	
Rated Uninterrupted Current ( $I_U$ )	100 A
Power Loss	1.2 W at Rated Operating Conditions per Pole 0.6 W
Contact Position Indication	ON / OFF / TRIP
Number of Poles	2
Number of Switches	8500
Overvoltage Category	IV
Tightening Torque	3.5 N·m
Actuator Marking	I / O
Housing Material	Insulation group I, RAL 7035
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
Recommended Screw Driver	Pozidriv 2
Control Element Color	Black
Connecting Capacity	Flexible 0...50 mm <sup>2</sup> Rigid 0...70 mm <sup>2</sup>
Terminal Type	Screw Terminals

## Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Degree of Protection	IP20
Pollution Degree	2
Resistance to Vibrations acc. to IEC 60068-2-6	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x 1e
Resistance to Shock acc. to IEC 60068-2-27	5 g 30 ms
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	2CCY413207D0203

## 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

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Height	99 mm
Package Level 1 Depth / Length	60 mm
Package Level 1 Gross Weight	520 g
Package Level 1 EAN	7612271419301

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

E-Number (Finland)	3601711
Country of Origin	Switzerland (CH)

### Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC005117D0201
Environmental Information	2CCY413207D0203
Instructions and Manuals	9AKK107046A5390
RoHS Information	9AKK107680A3903
	2CCC005117D0201

### Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	9AKK107046A5390

### Classifications

ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
eClass	V11.0 : 27371403
Object Classification Code	F

### Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling Devices → Switch Disconnectors  
 Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs → High Performance  
 Circuit Breakers HPCBs

