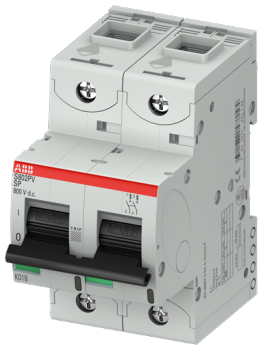
PRODUCT-DETAILS

S802PV-SP80

S802PV-SP80 High Performance MCB



General Information

Extended Product Type	S802PV-SP80
Product ID	2CCF019606R0001
EAN	7612271471378
Catalog Description	S802PV-SP80 High Performance MCB
Long Description	The S802PV-SP80 is a 2-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 80 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-SP80 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-SP80 more comfortable. Due to the fast arc extinction of S802PV-SP80 your application will be secured.

Technical

Standards	IEC/EN 60947-2
Number of Poles	2
Number of Protected Poles	2
Tripping Characteristic	B
Rated Current (I_n)	80 A
Rated Operational Voltage	800 V DC
Rated Voltage (U_r)	1500 V

Power Loss	12.8 W at Rated Operating Conditions per Pole 6.4 W
Rated Insulation Voltage (U_i)	1500 V
Rated Short-Circuit Capacity (I_{cn})	(400 V) 5 kA (230 V) 5 kA
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
Energy Limiting Class	3
Overvoltage Category	III
Pollution Degree	2
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Degree of Protection	IP20
Connecting Capacity	Rigid 0 ... 50 mm² Flexible 0 ... 70 mm²
Built-In Depth (t_2)	111 mm

Environmental

Ambient Air Temperature	Operation -25...60 °C
RoHS Status	Following EU Directive 2011/65/EU

Dimensions

Product Net Width	54 mm
Product Net Depth / Length	82.5 mm
Product Net Height	95 mm
Product Net Weight	490 g

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	60 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	510 g
Package Level 1 EAN	7612271471378

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Finland)	3214012

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC413058D0201

Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC413058D0201 9AKK107680A3903

Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	2CCC413016M0008

Classifications

Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)

Categories

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

