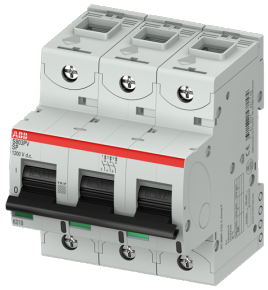
PRODUCT-DETAILS

S803PV-SP50

S803PV-SP50 High Performance MCB



General Information

Extended Product Type	S803PV-SP50
Product ID	2CCF019617R0001
EAN	7612271471590
Catalog Description	S803PV-SP50 High Performance MCB
Long Description	The S803PV-SP50 is a 3-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 50 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 S803PV-SP50 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 S803PV-SP50 more comfortable. Due to the fast arc extinction of S803PV-SP50 your application will be secured.

Technical

Standards	IEC/EN 60947-2
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	B
Rated Current (I_n)	50 A
Rated Operational Voltage	1200 V DC
Rated Voltage (U_r)	1500 V

Power Loss	12.9 W at Rated Operating Conditions per Pole 4.3 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})	(1200 V DC) 5 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(1200 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	81 mm
Product Net Depth / Length	82.5 mm
Product Net Height	95 mm
Product Net Weight	735 g

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	770 g
Package Level 1 EAN	7612271471590

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85352120

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC413058D0201
Environmental	2CCY413207D0203

Information	
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

