PRODUCT-DETAILS

S803PV-SP80

S803PV-SP80 High Performance MCB



General Information

Extended Product Type	S803PV-SP80
Product ID	2CCF019619R0001
EAN	7612271471637
Catalog Description	S803PV-SP80 High Performance MCB
Long Description	The S803PV-SP80 is a 3-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 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-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 S803PV-SP80 more comfortable. Due to the fast arc extinction of S803PV-SP80 your application will be secured.

Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	SP
Rated Operational	acc. to IEC 60947-2 1200 V DC

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Voltage	
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)	80 A
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(1000 V DC) 5 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(1000 V DC) 5 kA
Frequency (f)	0...0 Hz
Rated Frequency (f)	0 Hz
Power Loss	19.2 W at Rated Operating Conditions per Pole 6.4 W
Energy Limiting Class	3
Number of Protected Poles	3
Number of Poles	3
Overvoltage Category	III
Release Type	SP
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Flexible 0 … 50 mm² Rigid 0 … 70 mm²

Material Compliance

RoHS Information	9AKK107680A3903 2CCC005084D0202
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20170426
REACH Declaration	9AKK108469A6125
REACH Information	No data - If REACH inform is not yet available for a certain product
REACH Date	20190320
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Information	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings	4.5
Product Net Width	81 mm

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Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	735 g
Built-In Depth (t_2)	82.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	770 g

Certificates and Declarations

CB Certificate	9AKK107492A5628
CCC Certificate	CQC2019010307237666
Declaration of Conformity - CE	2CCC005084D0202
VDE Certificate	9AKK107680A0847
Regulatory Compliance Mark (RCM)	Yes

Installation

Instructions and Manuals	2CCC413016M0008

Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560 9AKK108468A9561 9AKK108468A9562

Classifications

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
eClass	V11.0 : 27141901
Object Classification Code	F

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Categories

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





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