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.

ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108471A1082
Recyclability Rate of the	Design for Closing Resource Loops - Standard EN45555 - 86.29 %

Product acc. to EN45555	
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
End Of Life Disassembling Instructions	9AKK108470A2575
Environmental Product Declaration - EPD	9AKK108470A1695,9AKK108470A1696

Technical

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
Number of Protected Poles	2
Number of Poles	2P
Release Type	SP
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Flexible 0 … 50 mm² Rigid 0 … 70 mm²

Electrical

Tripping Characteristic	SP
Rated Operational Voltage	acc. to IEC 60947-2 800 V DC
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
Frequency (f)	0...0 Hz
Rated Frequency (f)	0 Hz
Power Loss	Total 12.8 W at Rated Operating Conditions per Pole 6.4 W
Overvoltage Category	III

Material Compliance

RoHS Declaration	2CCC005084D0202
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20211214
REACH Declaration	9AKK108470A9089
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20250313
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B	Business To Business

Environmental

Ambient Air Temperature	Operation -40 ... 70 °C Storage -40 ... 70 °C
Degree of Protection	IP20
Pollution Degree	2
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
Built-In Depth (t_2)	82.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	510 g
E-Number (Finland)	3214012

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

External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)

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UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F
Standards	IEC/EN 60947-2

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs → High Performance Circuit Breakers HPCBs - S800



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