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S802PV-SP20

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General Information

Extended Product Type:

S802PV-SP20

Product ID:

2CCF019600R0001

EAN:

7612271471255

Catalog Description:

High Performance MCB

Long Description:

The S802PV-SP20 is a 2-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 20 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 ... [Show more](#)

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Data Sheet

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Categories

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Yes

Recyclability Rate of the Product acc. to EN45555:

Design for Closing Resource Loops - Standard EN45555 - 86.29 %

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:

[EPD ABBG-00659-V01.01-EN_G - S800 MCB](#)

[EPD ABBG-00658-V01.01-EN_E - S800 MCB](#)

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):

20 A

Frequency (f):

0..0 Hz

Rated Frequency (f):

0 Hz

Power Loss:

7 W

at Rated Operating Conditions per Pole 3.5 W

Overvoltage Category:

III

Material Compliance

RoHS Information:[RoHS confirmation 22072019](#)[EU Declaration of Conformity - S800 S-UC, HV, PV-SP](#)**RoHS Status:**

Following EU Directive 2011/65/EU

RoHS Date:

20170426

REACH Declaration:[REACH Declaration for S800 and its accessories](#)**REACH Information:**

False - does not contain substances > 0.1 mass percentage

REACH Date:

20200527

Conflict Minerals Reporting Template (CMRT):[Conflict Minerals Reporting Template](#)**WEEE Category:**

5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B:

Business To Business

Environmental

Ambient Air Temperature:

Operation -25 ... +60 °C

Storage -40 ... +70 °C

Degree of Protection:

IP20

Pollution Degree:

2

Environmental Information:[Environmental information S800 and accessories](#)**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):

3214006

Certificates and Declarations**CB Certificate:**[CB for S800PV-SP](#)**CCC Certificate:**[CQC Certificate, Moulded Case Circuit-breaker, S800PV-SP, Made in Switzerland](#)**Declaration of Conformity - CE:**[EU Declaration of Conformity - S800 S-UC, HV, PV-SP](#)**VDE Certificate:**[VDE Certificate S800PV-SP \(20...125 A\)](#)**Regulatory Compliance Mark (RCM):**

Yes

Installation**Instructions and Manuals:**[Instruction Manual S800 range](#)**Popular Downloads**

Data Sheet, Technical Information:

[Global Product Catalogue 2024 - MCBs](#)

[Global Product Catalogue 2024 - Accessories for MCBs and RCDs](#)

[Global Technical Details 2024 - MCBs](#)

External Classifications and Standards

ETIM 9:

EC000042 - Miniature circuit breaker (MCB)

eClass:

V11.0 : 27141901

Object Classification Code:

F

Standards:

IEC/EN 60947-2



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