ABB

PRODUCT-DETAILS

S802PV-S16

S802PV-S16 High Performance MCB

General Information

Extended Product Type	S802PV-S16
Product ID	2CCP842001R1169
EAN	7612271210953
Catalog Description	S802PV-S16 High Performance MCB
Long Description	The S802PV-S16 is a 2-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 16 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-S16 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-S16 more comfortable. Due to the fast arc extinction of S802PV-S16 your application will be secured.

Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	B
Rated Voltage (U_r)	acc. to IEC 60947-2 800 V DC
Rated Operational Voltage	acc. to IEC 60947-2 800 V DC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 1200 V DC
Rated Impulse Withstand Voltage (U_{imp})	8 kV

Input Voltage Type	DC
Rated Current (I_n)	16 A
Rated Operational Current (I_e)	16 A
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
Power Loss	6.2 W at Rated Operating Conditions per Pole 3.1 W
Contact Position Indication	ON / OFF / TRIP
Number of Poles	2
Number of Protected Poles	2
Overvoltage Category	III
Tightening Torque	3.5 N·m
Release Type	PVS
Actuator Marking	I / O
Housing Material	Insulation group I, RAL 7035
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Connecting Capacity	Rigid 0 ... 50 mm² Flexible 0 ... 70 mm²
Terminal Type	Screw Terminals

Environmental

Ambient Temperature	-25...60 °C
Ambient Air Temperature	Operation -25...60 °C
Degree of Protection	IP20
Pollution Degree	2
Resistance to Vibrations acc. to IEC 60068-2-6	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x Ie
Resistance to Shock acc. to IEC 60068-2-27	5 g 30 ms
RoHS Status	Following EU Directive 2011/65/EU
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
Product Net Length	54 mm
Built-In Depth (t_2)	82.5 mm

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Height	99 mm
Package Level 1 Depth / Length	60 mm
Package Level 1 Gross Weight	510 g
Package Level 1 EAN	7612271210953

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
E-Number (Switzerland)	805649102
Country of Origin	Switzerland (CH)

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC005117D0201
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC005117D0201, 9AKK107680A3903

Popular Downloads

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

Classifications

ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
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

Categories

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