

PRODUCT-DETAILS

S804U-PVS5

S804U-PVS5 High Performance MCB



General Information

Extended Product Type	S804U-PVS5
Product ID	2CCP824017R1159
EAN	7612271419929
Catalog Description	S804U-PVS5 High Performance MCB
Long Description	The S804U-PVS5 is a 4-pole High Performance Circuit Breaker with cage terminal and a rated current of 5A. This device is developed to meet the requirements as GFDI (Ground Fault Detection Interrupteur) in photovoltaic systems. The rated voltage is 1000V DC. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S80U-PVS5 complies with UL489B and allows the use in photovoltaics in U.S.. The extensive range of accessory makes the use of S804U-PVS5 more comfortable. Due to the fast arc extinction of S804U-PVS5 your application will be secured.

Technical

Standards	UL 489B
Number of Poles	4
Number of Protected Poles	4
Tripping Characteristic	B
Rated Current (I_n)	5 A
Rated Operational Voltage	1000 V DC
Rated Voltage (U_r)	1000 V
Power Loss	7.2 W

at Rated Operating Conditions per Pole 1.8 W

Rated Insulation Voltage (U _i)	1500 V DC
Rated Short-Circuit Capacity (I _{cn})	(400 V) 2.5 kA (230 V) 2.5 kA
Energy Limiting Class	3
Overvoltage Category	IV
Pollution Degree	3
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Housing Material	Insulation group I, RAL 7035
Actuator Marking	I / O
Contact Position Indication	ON / OFF / TRIP
Degree of Protection	IP20
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Terminal Type	Screw Terminals
Connecting Capacity	Rigid 0 ... 50 mm ² Flexible 0 ... 70 mm ²
Tightening Torque	3.5 N·m
Recommended Screw Driver	Pozidriv 2
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
Built-In Depth (t ₂)	82.5 mm

Environmental

Ambient Air Temperature	Operation -25...60 °C
Environmental Conditions	Damp Heat Cyclic acc. to IEC 60068-2-30 12+12 cycle Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96% Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100% Dry Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C Dry Heat Test B acc. to IEC 60068-2-2 2 hour @ 70 °C
RoHS Status	Following EU Directive 2011/65/EU

Technical UL/CSA

Interrupting Rating acc. to UL489	(1000 V DC) 3 kA
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Dimensions

Product Net Width	108 mm
Product Net Depth / Length	82.5 mm
Product Net Height	142 mm
Product Net Weight	980 g

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	152 mm
Package Level 1 Depth / Length	111 mm

Package Level 1 Height	99 mm
Package Level 1 Gross Weight	1010 g
Package Level 1 EAN	7612271419929

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC413009D0201
Environmental Information	2CCY413207D0203
Instructions and Manuals	9AKK107046A5391
RoHS Information	2CCC413009D0201 9AKK107680A3903

Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	9AKK107046A5391

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

