



 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	<p>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.</p>
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ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108471A1082
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	9AKK108470A1695,9AKK108470A1696

Technical

Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	4
Number of Poles	4P
Tightening Torque	3.5 N·m
Release Type	B
Actuator Marking	I / O
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	Flexible 0 ... 50 mm ² Rigid 0 ... 70 mm ²
Terminal Type	Screw Terminals

Electrical

Short-Circuit Current Rating (SCCR)	(1000 V DC) 3 kA
Tripping Characteristic	B
Rated Operational Voltage	1000 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)	5 A
Rated Short-Circuit Capacity	(230 V) 2.5 kA (400 V) 2.5 kA
Frequency (f)	0...0 Hz
Rated Frequency (f)	0 Hz
Power Loss	Total 7.2 W at Rated Operating Conditions per Pole 1.8 W
Overvoltage Category	IV

Design

Housing Material	Insulation group I, RAL 7035
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Technical UL/CSA

Interrupting Rating acc. to UL489	(1000 V DC) 3 kA
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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 -25 ... +60 °C Storage -40 ... +70 °C
Degree of Protection	IP20
Pollution Degree	3
Environmental Information	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings	6
Product Net Width	108 mm
Product Net Height	142 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	980 g
Built-In Depth (t ₂)	82.5 mm

Engineering

EPLAN Data	9AAF622590_EPLAN
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Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	1010 g

Certificates and Declarations

Declaration of Conformity - CE	2CCC413009D0201
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UL Certificate

9AKK107680A2289

Installation

Instructions and Manuals	9AKK107046A5391
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

Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560 9AKK108468A9561 9AKK108468A9562
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External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F
Standards	UL 489B

Categories

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



