

PRODUCT-DETAILS

S804U-PVS5

S804U-PVS5 High Performance MCB



General Information

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|-----------------------|---------------------------------|
| Extended Product Type | S804U-PVS5 |
| Product ID | 2CCP824017R1159 |
| EAN | 7612271419929 |
| Catalog Description | S804U-PVS5 High Performance MCB |

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| 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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Technical

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| 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 |
| Power Loss | 7.2 W |
| | at Rated Operating Conditions per Pole 1.8 W |

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| 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

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| 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

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

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

Container Information

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| 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 |

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| Package Level 1 Gross Weight | 1010 g |
| Package Level 1 EAN | 7612271419929 |

Ordering

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| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362020 |

Certificates and Declarations (Document Number)

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|--------------------------------|------------------------------------|
| 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

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| Object Classification Code | F |
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |

Categories

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

