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PRODUCT-DETAILS

# S804PV-SP50 S804PV-SP50 High Performance MCB



General Information	
Extended Product Type	S804PV-SP50
Product ID	2CCF019629R0001
EAN	7612271471835
Catalog Description	S804PV-SP50 High Performance MCB
Long Description	The S804PV-SP50 is a 4-pole High Performance Circuit breaker for photovoltaics (DC) with B-characteristic, with cage terminal and a rated current of 50 A. It is a current limiting device with a maximum breaking capacity of 5kA at 1500V. It can be used for voltages up to 1500V DC. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S804PV-SP50 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 S804PV-SP50 more comfortable. Due to the fast arc extinction of S804PV-SP50 your application will be secured.

Technical		
Standards	IEC/EN 60947-2	
Tripping Characteristic	В	
Rated Voltage (U <sub>r</sub> )	acc. to IEC 60947-2 1500 V DC	
Rated Operational Voltage	acc. to IEC 60898-1 400 V	
Rated Insulation Voltage	acc. to IEC/EN 60664-1 1500 V	

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Rated Impulse Withstand Voltage (Uimp)         1           Input Voltage Type         1           Rated Operational Current (Ip)         2           Rated Ultimate Short- Circuit Breaking Capacity (Ipu)         (1500 V DC)           Rated Service Short- Circuit Breaking Capacity (Ipu)         (1500 V DC)           Circuit Breaking Capacity (Ipu)         0           Frequency (f)         0           Rated Frequency (f)         0           Energy Limiting Class         17.           Number of Protected Poles         3           Overvoltage Category         Release Type           Accessories Available         Flexible 0 50 (Rigid 0 70)           Connecting Capacity         Flexible 0 50 (Rigid 0 70)           Material Compliance         9AKK107680AS (2CC006584DC)           RoHS Information         9AKK107680AS (2CC006584DC)           RoHS Status         Following EU Directive 2011/65           RoHS Date         20170
Rated Current (In)         5           Rated Operational Current (In)         5           Rated Ultimate Short-         (1500 ∨ DC)           Circuit Breaking Capacity (Inc)         (1500 ∨ DC)           Circuit Breaking Capacity (Inc)         (1500 ∨ DC)           Circuit Breaking Capacity (Inc)         0           Rated Frequency (f)         0           Rated Frequency (f)         0           Power Loss         17           At Rated Operating Conditions per Pole 4.           Energy Limiting Class         17           Number of Protected         18           Poles         18           Veervoltage Category         18           Release Type         18           Accessories Available         2           Connecting Capacity         Flexible 0 50 modern           Material Compliance         3           RoHS Information         2           RoHS Status         Following EU Directive 2011/06           RoHS Status         Following EU Directive 2011/06           RoHS Date         20170
Rated Operational Current (1e)
(I_e)         (1500 V DC)           Rated Ultimate Short- Circuit Breaking Capacity (I <sub>cu</sub> )         (1500 V DC)           Rated Service Short- Circuit Breaking Capacity (I <sub>cs</sub> )         (1500 V DC)           Frequency (f)         0(           Rated Frequency (f)         0(           Power Loss         17.           at Rated Operating Conditions per Pole 4.           Energy Limiting Class           Number of Protected           Poles           Number of Poles           Overvoltage Category           Release Type           Accessories Available           Connecting Capacity         Flexible 050 in Rigid 070 in Rigid 0
Circuit Breaking Capacity (l <sub>cu</sub> )         (1500 V DC)           Rated Service Short-         (1500 V DC)           Circuit Breaking Capacity (l <sub>cs</sub> )         (1500 V DC)           Frequency (f)         0(           Rated Frequency (f)         17.           Power Loss         17.           Energy Limiting Class         17.           Number of Protected         19.           Poles         19.           Number of Poles         19.           Overvoltage Category         19.           Release Type         19.           Accessories Available         19.           Connecting Capacity         Flexible 0 50 (Rigid 0 70 (Ri
Circuit Breaking Capacity (I <sub>cs</sub> )         0           Frequency (f)         0           Power Loss         17.           at Rated Operating Conditions per Pole 4.           Energy Limiting Class           Number of Protected           Poles           Number of Poles           Overvoltage Category           Release Type           Accessories Available           Connecting Capacity         Flexible 0 50 region 1 50 region 2 70 region 2.
Rated Frequency (f)  Power Loss  17.  at Rated Operating Conditions per Pole 4.  Energy Limiting Class  Number of Protected Poles  Number of Poles  Overvoltage Category  Release Type  Accessories Available  Connecting Capacity  Flexible 0 50 or Rigid 0 70
Power Loss
Energy Limiting Class  Number of Protected Poles  Number of Poles  Overvoltage Category Release Type  Accessories Available  Connecting Capacity  Flexible 0 50 to Rigid 0 70 to Rigid 0
Number of Protected Poles  Number of Poles  Overvoltage Category Release Type  Accessories Available  Connecting Capacity  Flexible 0 50 region of the pole of
Poles Number of Poles Overvoltage Category Release Type Accessories Available Connecting Capacity  Flexible 0 50 Riqid 0 70 Material Compliance  RoHS Information  RoHS Status  Following EU Directive 2011/65 RoHS Date
Overvoltage Category Release Type Accessories Available Connecting Capacity  Flexible 0 50 to Riqid 0 70 to Riqi
Release Type           Accessories Available           Connecting Capacity         Flexible 0 50 related 0 70 related 0
Accessories Available           Connecting Capacity         Flexible 0 50 religid 0 70 religid 0 .
Material Compliance         9AKK107680A3 2CCC005084D0           RoHS Status         Following EU Directive 2011/65           RoHS Date         20176
Rigid 0 70
RoHS Information         9AKK107680A3 2CCC005084D0
RoHS Status Following EU Directive 2011/65 RoHS Date 2017/0
RoHS Date 20170
Conflict Minerals 9AKK108468A3 Reporting Template (CMRT)
Environmental
Ambient Temperature -256
Ambient Air Temperature Operation -25 6
Degree of Protection
Pollution Degree
Environmental Information 2CCY413207DC
Dimensions
Width in Number of Modular Spacings
Product Net Width 106
Product Net Height 95
Product Net Depth / 82.5 Length
Product Net Weight 9
Built-In Depth (t <sub>2</sub> )
Ordering

Package Level 1 Units

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 Package Level 1 Gross
 1010 g

 Weight
 E-Number (Finland)

 3214025

# **Certificates and Declarations**

Declaration of Conformity 2CCC005084D0202

# **Installation**

Instructions and Manuals 2CCC413016M0008

#### Popular Downloads

 Data Sheet, Technical
 9AKK108468A9560

 Information
 9AKK108468A9561

 9AKK108468A9562
 9AKK108468A9562

### Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
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	<u>F</u>

## Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Modular\ DIN\ Rail\ Products \rightarrow High\ Performance\ Circuit\ Breakers\ HPCBs \rightarrow High\ Performance\ Circuit\ Breakers\ HPCBs$ 





