Product datasheet

Specifications



SW60-DC - 2P - 50 A - 1000 V

A9N61699

Main

Range of product	SW60
Product or component type	Switch disconnector
Device short name	SW60-DC
Switch application	Photovoltaic inverter protection
poles description	2P
Utilisation category	DC-21A
Suitability for isolation	Yes conforming to EN/IEC 60947-3

Complementary

[Ie] rated operational current	50 A DC-21A 1000 V DC 40 °C 63 A DC-21A 1000 V DC 5 °C 61 A DC-21A 1000 V DC 10 °C 60 A DC-21A 1000 V DC 15 °C 58 A DC-21A 1000 V DC 20 °C 56 A DC-21A 1000 V DC 25 °C 54 A DC-21A 1000 V DC 30 °C 52 A DC-21A 1000 V DC 35 °C 48 A DC-21A 1000 V DC 45 °C 46 A DC-21A 1000 V DC 50 °C 41 A DC-21A 1000 V DC 60 °C 35 A DC-21A 1000 V DC 70 °C
Voltage Drop	251 mV 5.02 mOhm 12.54 W 50 A
[Ui] rated insulation voltage	1000 V DC
[Uimp] rated impulse withstand voltage	6 kV
Polarity sensitivity	Yes (+ and - has to be respected for connection)
Control type	Toggle
Mounting mode	Fixed
Mounting support	35 mm symmetrical DIN rail
9 mm pitches	8
Height	132.7 mm
Width	72 mm
Depth	77.4 mm
Net weight	0.53 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	3000 cycles

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Connections - terminals	Tunnel terminal (upside) 1…35 mm² rigid Tunnel terminal (upside) 1…25 mm² flexible Pre-wired cable (downside)
Tightening torque	3.5 N.m
Compatibility code	SW60-DC

Environment

Standards	EN/IEC 60947-3
Pollution degree	2
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8 cm
Package 1 Width	7.5 cm
Package 1 Length	13.6 cm
Package 1 Weight	572 g
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	17.347 kg
Unit Type of Package 3	P12
Number of Units in Package 3	240
Package 3 Height	50 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	150.78 kg

Contractual warranty

Warranty	18 months

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >



Transparency



RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations