

Product datasheet

Specifications



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

A9N61699

Main

Switch application	Photovoltaic inverter protection
Range of product	SW60
Product or component type	Switch disconnecter
Device short name	SW60-DC
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
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
Connections - terminals	Tunnel terminal (upside) 1...35 mm ² rigid Tunnel terminal (upside) 1...25 mm ² 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 Weight	572.0 g
Package 1 Height	8.0 cm
Package 1 width	7.5 cm
Package 1 Length	13.6 cm
Unit Type of Package 2	P12
Number of Units in Package 2	240
Package 2 Weight	150.78 kg
Package 2 Height	50.0 cm
Package 2 width	80.0 cm
Package 2 Length	120.0 cm
Unit Type of Package 3	S03
Number of Units in Package 3	30
Package 3 Weight	17.347 kg
Package 3 Height	30.0 cm
Package 3 width	30.0 cm
Package 3 Length	40.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)

Contractual warranty

Warranty	18 months
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