

# Product datasheet

Specifications



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

A9N61699

### Main

Range of product	SW60
Product or component type	Switch disconnecter
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
Product weight	0.53 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	3000 cycles

<b>Connections - terminals</b>	Tunnel terminal (upside) 1...35 mm <sup>2</sup> rigid Tunnel terminal (upside) 1...25 mm <sup>2</sup> flexible Pre-wired cable (downside)
<b>Tightening torque</b>	3.5 N.m
<b>Compatibility code</b>	SW60-DC

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.300 cm
<b>Package 1 Width</b>	7.700 cm
<b>Package 1 Length</b>	14.500 cm
<b>Package 1 Weight</b>	543.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	30
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	16.882 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	240
<b>Package 3 Height</b>	75.000 cm
<b>Package 3 Width</b>	60.000 cm
<b>Package 3 Length</b>	80.000 cm
<b>Package 3 Weight</b>	146.776 kg

## Contractual warranty

<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

No

SCIP Number

8ffc7f0-ddb1-4d14-b923-d6714d6bc175

EU RoHS Directive

[Compliant](#)

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Halogen-free status

Product contains halogen above thresholds

Silicone-free

No

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

End of life manual availability

No need of specific recycling operations

Take-back

No

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins