

# Product datasheet

Specifications



## Switch disconnecter, ComPacT NSX100NA DC PV, 4 poles, fixed, 100A rating, 1000V

C104100D1S

### Main

Range	ComPacT
Product name	ComPacT NSX DC PV
Device short name	NSX100NA DC PV
Product or component type	Switch disconnecter
Device application	Photovoltaic
Poles description	4P
[Ith] conventional free air thermal current	100 A at 65 °C
[Ie] rated operational current	DC-22A: 100 A DC 1000 V
[Ue] rated operational voltage	1000 V DC
Network type	DC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	DC-22A
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[Icw] rated short-time withstand current	2.5 kA during 1 s
[Icm] rated short-circuit making capacity	2.5 kA switch-disconnector alone
Control type	Toggle
[Ui] rated insulation voltage	1000 V DC
[Uimp] rated impulse withstand voltage	8 kV

### Complementary

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Mechanical durability	10000 cycles
Electrical durability	1500 cycles 1000 V DC In
Width (W)	140 mm
Height (H)	161 mm

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Depth (D)	86 mm
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Product weight	2.8 kg
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Standards	EN/IEC 60947-1 EN/IEC 60947-3
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## Environment

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IP degree of protection	IP40 conforming to IEC 60529
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IK degree of protection	IK07 conforming to IEC 62262
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Electrical shock protection class	Class II
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Pollution degree	3 conforming to IEC 60664-1
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Ambient air temperature for operation	-25...70 °C
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Ambient air temperature for storage	-50...85 °C
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## Packing Units

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Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	13.0 cm
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Package 1 Width	14.0 cm
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Package 1 Length	16.0 cm
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Package 1 Weight	3.0 kg
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## Contractual warranty

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Warranty (in months)	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

Total lifecycle Carbon footprint	182 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	20 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.3 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	155 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	6 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	3874e08b-fcb8-4aa9-87c4-d36abebf2833
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	59
End of life manual availability	No need of specific recycling operations
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

