

# Product datasheet

Specifications



## Switch disconnecter basic frame, ComPact NSX630b NA DC PV, 4 poles, 630A

LV453421

### Main

Range	ComPact
Product name	ComPact NSX DC
Product or component type	Switch disconnecter
Device short name	Compact NSX630NA DC PV
Poles description	4P
Network type	DC
[Ue] rated operational voltage	1000 V DC conforming to IEC 60947-3
[Ie] rated operational current	DC-22A: 630 A DC 1000 V
[Ui] rated insulation voltage	1000 V DC conforming to IEC 60947-3
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-3
[Ith] conventional free air thermal current	630 A at 65 °C
[Icm] rated short-circuit making capacity	20 kA switch-disconnector alone
Breaking capacity code	NA
Suitability for isolation	Yes conforming to EN 60947-3
Contact position indicator	Yes
Visible break	No
Utilisation category	DC-22A
Pollution degree	3 conforming to IEC 60947-3

### Complementary

Control type	Toggle
Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
[Icw] rated short-time withstand current	20 kA during 1 s conforming to IEC 60947-3
Mechanical durability	10000 cycles conforming to IEC 60947-3
Electrical durability	1000 cycles 1000 V DC In conforming to IEC 60947-3
Connection pitch	70 mm
Height	327 mm
Width	280 mm
Depth	147 mm

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Product weight	18 kg
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## Environment

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Standards	EN/IEC 60947-3
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Product certifications	CE
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IP degree of protection	IP20 conforming to IEC 60529
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Electrical shock protection class	Class II
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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	18.0 cm
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Package 1 Width	27.9 cm
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Package 1 Length	32.7 cm
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Package 1 Weight	18.045 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	637 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	252 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	5 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	351 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	26 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	21550c2a-6c05-4d3d-8388-9ca38a81a60f
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 %	56
End of life manual availability	<a href="#">End of Life Information</a>
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

