

Product datasheet

Specifications



Switch disconnecter, ComPacT NSX630NA DC, 4 poles, fixed, thermal current I_{th} 630A

C634630DS

Main

Range	ComPacT
Product name	ComPacT NSX DC
Device short name	NSX630NA DC
Product or component type	Switch disconnecter
Device application	Distribution
Poles description	4P
[I _{th}] conventional free air thermal current	630 A at 40 °C
[I _e] rated operational current	DC-22A: 630 A DC 750 V
[U _e] rated operational voltage	750 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
[I _{cw}] rated short-time withstand current	7.5 kA during 1 s
[I _{cm}] rated short-circuit making capacity	7.5 kA switch-disconnector alone
Control type	Toggle
[U _i] rated insulation voltage	750 V DC
[U _{imp}] rated impulse withstand voltage	8 kV

Complementary

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Mechanical durability	5000 cycles
Electrical durability	1000 cycles 750 V DC In
Width (W)	185 mm
Height (H)	255 mm

Depth (D)	110 mm
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Product weight	7.8 kg
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Standards	EN/IEC 60947-1 EN/IEC 60947-3
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Environment

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

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	14.7 cm
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Package 1 Width	20.0 cm
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Package 1 Length	29.1 cm
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Package 1 Weight	7.296 kg
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Contractual warranty

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	919 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	48 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.6 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	855 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	15 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	E01033b9-a29d-4247-893c-b0642e7209e8
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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

