

Product datasheet

Specifications



switch disconnecter ComPacT NSX630NA, 4 poles, 630 A, AC22A, AC23A

C634630S

EAN Code: 3606482002906

Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX630NA
Product or component type	Switch disconnecter
Device application	Distribution
Poles description	4P
[I _{th}] conventional free air thermal current	630 A at 50 °C
[I _e] rated operational current	AC-22A: 630 A AC 50/60 Hz 220...690 V AC-23A: 630 A AC 50/60 Hz 220...690 V
[U _e] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	AC-22A AC-23A
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[I _{cw}] rated short-time withstand current	6 kA during 1 s 6 kA during 3 s 2.32 kA during 20 s
[I _{cm}] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 8.5 kA switch-disconnector alone
Control type	Toggle
[U _i] rated insulation voltage	800 V AC 50/60 Hz
[U _{imp}] rated impulse withstand voltage	8 kV

Complementary

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Mechanical durability	15000 cycles

Electrical durability	AC-22A: 1500 cycles 690 V AC 50/60 Hz In AC-22A: 3000 cycles 440 V AC 50/60 Hz In AC-22A: 3000 cycles 690 V AC 50/60 Hz In/2 AC-22A: 6000 cycles 440 V AC 50/60 Hz In/2 AC-23A: 1500 cycles 690 V AC 50/60 Hz In AC-23A: 3000 cycles 440 V AC 50/60 Hz In AC-23A: 3000 cycles 690 V AC 50/60 Hz In/2 AC-23A: 6000 cycles 440 V AC 50/60 Hz In/2
Width (W)	185 mm
Height (H)	255 mm
Depth (D)	110 mm
Net weight	6.8 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-3

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.000 cm
Package 1 Width	20.000 cm
Package 1 Length	29.000 cm
Package 1 Weight	7.250 kg
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	15.199 kg

Logistical informations

Country of origin	FR
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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	705 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]	641 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	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Offer Marketing Illustration

Product benefits / Features

ComPacT NSX NA

Technical Benefits



Nominal current: 16 to 630 A and 9 breaking capacities for the 2 sizes of circuit breakers

1, 2, 3, and 4 pole versions available

Large range of electronic and thermal-magnetic protections

Plug and ready wiring system and communicating accessories

Integrated earth leakage protection via MicroLogic Vigi (earth leakage circuit breaker - ELCB)

Advanced trip unit with integrated power metering: I, U, P, E, THD, f, CosPhi

Offer Marketing Illustration

Product benefits / Features

ComPacT NSX NA Switch Disconnectors



Protection begins with prevention

Designed to prevent an electrical fire through integrated earth leakage protection with preventive maintenance thanks to its Everlink power connections.



Maximize power availability

By providing corrective, preventive, and predictive maintenance for asset management thanks to our advanced MicroLogic trip units.



Connectivity

Designed to connect to EcoStruxure Power, an IoT-connected architecture for improving every aspect of your power distribution system.



Offer Marketing Illustration

Product benefits / Features



ComPacT NSX NA Range Accessories



Wireless auxiliary contact



Short terminal shield



Interphase barriers



Long terminal shield



Rotary handles



Standard auxiliary contact



MN undervoltage release



MX shunt release



Standard motor mechanism module

Technical Illustration

Assembly's dimensions

