

# Product datasheet

Specifications



## switch disconnecter ComPacT NSX630NA, 3 poles, 630 A, AC22A, AC23A

C633630S

EAN Code: 3606482002883

### Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX630NA
Product or component type	Switch disconnecter
Device application	Distribution
Poles description	3P
[I <sub>th</sub> ] conventional free air thermal current	630 A at 50 °C
[I <sub>e</sub> ] 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 <sub>e</sub> ] 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 <sub>cw</sub> ] rated short-time withstand current	6 kA during 1 s 6 kA during 3 s 2.32 kA during 20 s
[I <sub>cm</sub> ] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 8.5 kA switch-disconnector alone
control type	Toggle
[U <sub>i</sub> ] rated insulation voltage	800 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV

### Complementary

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

<b>Electrical durability</b>	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
<b>Width (W)</b>	140 mm
<b>Height (H)</b>	255 mm
<b>Depth (D)</b>	110 mm
<b>Net weight</b>	5.2 kg
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-3

## Environment

<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Electrical shock protection class</b>	Class II
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...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>	15.400 cm
<b>Package 1 Width</b>	15.800 cm
<b>Package 1 Length</b>	29.400 cm
<b>Package 1 Weight</b>	5.515 kg
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	2
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	40.000 cm
<b>Package 2 Length</b>	60.000 cm
<b>Package 2 Weight</b>	11.731 kg

## Logistical informations

<b>Country of origin</b>	FR
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## Contractual warranty

<b>Warranty</b>	18 months
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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 **691**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

[EU RoHS Directive](#) **Compliant with Exemptions**

SCIP Number **E01033b9-a29d-4247-893c-b0642e7209e8**

REACH Regulation [REACH Declaration](#)

Halogen-free status **Product contains halogen above thresholds**

PVC free **Yes**

Silicone-free **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**

Offer Marketing Illustration

Product benefits / Features

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## 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

Offer Marketing Illustration

Product benefits / Features

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## 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

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## 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