

Product datasheet

Specifications



switch disconnecter ComPacT NSX100NA, 4 poles, 100 A, AC22A, AC23A

C104100S

EAN Code: 3606481999283

Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX100NA
Product or component type	Switch disconnecter
Device application	Distribution
Poles description	4P
[I _{th}] conventional free air thermal current	100 A at 50 °C
[I _e] rated operational current	AC-22A: 100 A AC 50/60 Hz 220...690 V AC-23A: 100 A AC 50/60 Hz 220...690 V DC-22A: 100 A DC 250 V 1 pole DC-22A: 100 A DC 500 V 2 poles in series DC-23A: 100 A DC 250 V 1 pole DC-23A: 100 A DC 500 V 2 poles in series DC-22A: 100 A DC 750 V 3 poles in series DC-23A: 100 A DC 750 V 3 poles in series
[U _e] rated operational voltage	690 V AC 50/60 Hz 750 V DC 3 poles in series 500 V DC 2 poles in series 250 V DC 1 pole
Network type	AC DC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	AC-22A AC-23A DC-22A DC-23A
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[I _{cw}] rated short-time withstand current	1.8 kA during 1 s 1.8 kA during 3 s 0.69 kA during 20 s
[I _{cm}] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 2.6 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	35 mm
Mechanical durability	50000 cycles
Electrical durability	AC-22A: 35000 cycles 440 V AC 50/60 Hz In/2 AC-23A: 35000 cycles 440 V AC 50/60 Hz In/2 AC-22A: 20000 cycles 440 V AC 50/60 Hz In AC-23A: 20000 cycles 440 V AC 50/60 Hz In AC-22A: 15000 cycles 690 V AC 50/60 Hz In/2 AC-23A: 15000 cycles 690 V AC 50/60 Hz In/2 AC-22A: 8000 cycles 690 V AC 50/60 Hz In AC-23A: 8000 cycles 690 V AC 50/60 Hz In DC-22A: 10000 cycles 250 V DC In/2 (1 pole) DC-23A: 10000 cycles 250 V DC In/2 (1 pole) DC-22A: 5000 cycles 500 V DC In (2 poles in series) DC-23A: 5000 cycles 500 V DC In (2 poles in series)
Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.2 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	14.000 cm
Package 1 Width	14.400 cm
Package 1 Length	19.000 cm
Package 1 Weight	2.292 kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	13.900 kg

Logistical informations

Country of origin PL

Contractual warranty

Warranty 18 months



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 **101**

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 **3874e08b-fcb8-4aa9-87c4-d36abebf2833**

REACH Regulation [REACH Declaration](#)

PVC free **Yes**

Use Again

Repack and remanufacture

End of life manual availability [End of Life Information](#)

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

