

Product datasheet

Specifications



Switch disconnecter, ComPacT
NSXm 50NA, 3 poles, thermal
current Ith 50A, compression lugs
and busbar connectors

C113050BS

Main

Range	ComPacT
Product name	ComPacT NSXm
Device short name	NSXm 50NA
Product or component type	Switch disconnecter
Device application	Distribution
Poles description	3P
[Ith] conventional free air thermal current	50 A at 40 °C
[Ie] rated operational current	AC-23: 50 A AC 50/60 Hz AC-22: 50 A AC 50/60 Hz
[Ue] 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
[Icw] rated short-time withstand current	900 A during 1 s 900 A during 3 s 200 A during 20 s
[Icm] rated short-circuit making capacity	1.28 kA switch-disconnector alone 150 kA with upstream protection circuit breaker
Control type	Toggle
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV

Complementary

Mounting support	35 mm symmetrical DIN rail Backplate
Connection pitch	27 mm
Connections - terminals	1 crimp lug wire size 2.5...120 mm², rigid or stranded aluminium/copper 1 crimp lug wire size 2.5...95 mm², flexible aluminium/copper bars
Mechanical durability	20000 cycles

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical durability	AC-22A: 20000 cycles 440 V AC 50/60 Hz 1e/2 AC-23A: 20000 cycles 440 V AC 50/60 Hz 1e/2 AC-22A: 10000 cycles 440 V AC 50/60 Hz 1e AC-23A: 10000 cycles 440 V AC 50/60 Hz 1e AC-22A: 10000 cycles 690 V AC 50/60 Hz 1e/2 AC-23A: 6000 cycles 690 V AC 50/60 Hz 1e/2 AC-22A: 5000 cycles 690 V AC 50/60 Hz 1e AC-23A: 3000 cycles 690 V AC 50/60 Hz 1e
Width (W)	81 mm
Height (H)	137 mm
Depth (D)	80 mm
Product weight	1.06 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	9.000 cm
Package 1 Width	12.000 cm
Package 1 Length	21.500 cm
Package 1 Weight	1.068 kg
Unit Type of Package 2	S03
Number of Units in Package 2	9
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.032 kg
Unit Type of Package 3	P12
Number of Units in Package 3	216
Package 3 Height	150.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	304.890 kg

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	88 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	7 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	78 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	3 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	4b89979a-b2b4-46f7-b291-ed2599c8d205
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Halogen free plastic parts product
PVC free	Yes
Silicone-free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	57
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 NSXm NA
Switch Disconnectors



Efficiency

It features integrated earth leakage protection and standardized accessories – which means you save space, time, and effort.



Reliability

Optimized in size and featuring innovations tailored to your needs. Roto-active™ breaking technology helps to increase operation lifespan.



Connectivity

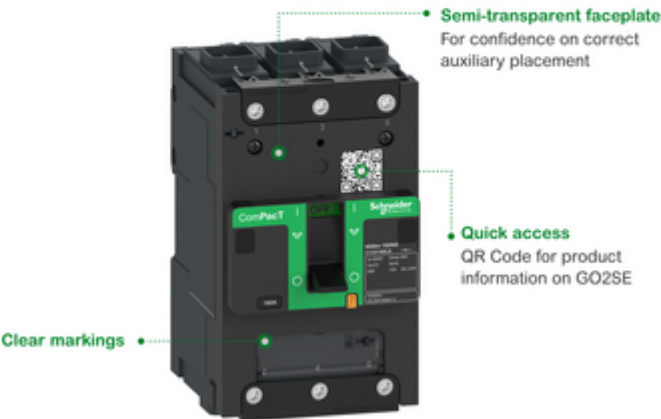
Designed to connect to EcoStruxure Power, an IoT-connected architecture for improving every aspect of your power distribution system.



Offer Marketing Illustration

Product benefits / Features

CompacT NSXm NA
Technical Features



Offer Marketing Illustration

Product benefits / Features



Compact NSXm NA

Technical Benefits

- The installation is identical to ComPacT NSXm circuit breakers in terms of installation, size, securing, auxiliaries, and power connections
- 3 or 4 pole versions
- Rated currents: 50 to 160A up to 690V
- Utilisation categories: AC-22A/AC-23A
- New EverLink connectors for bare cables.
- The installation is identical to ComPacT NSXm circuit breakers in terms of installation, size, securing, auxiliaries, and power connections.
- EverLink™ connectors for bare cables
- Small size: W 81/108 mm x H 137mm x D 80mm

Offer Marketing Illustration

Product benefits / Features



CompactT NSXm NA
Range Accessories



Wireless
indication auxiliary



Long terminal
shield



Standard
auxiliary contact



Rotary handles



Inter-phase barrier



Toggle padlocking
device



MN undervoltage
release



Standard MX shunt
release

Technical Illustration

Assembly's dimensions

