Product datasheet

Specifications

switch disconnector ComPact NSX250 NA, 2 poles, 250 A

LV431619

Discontinued on: Jun 9, 2022 AD

Discontinued

Main

Range	ComPact
Product name	ComPact NSX
Product or component type	Switch disconnector
Device short name	Compact NSX250NA
Poles description	2P
Network type	DC AC
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC 3 poles in series conforming to IEC 60947-3 500 V DC 2 poles in series conforming to IEC 60947-3 250 V DC 1 pole conforming to IEC 60947-3
[Ie] rated operational current	AC-22A: 250 A AC 50/60 Hz 220...690 V AC-23A: 250 A AC 50/60 Hz 220...690 V DC-22A: 250 A DC 250 V 1 pole DC-22A: 250 A DC 500 V 2 poles in series DC-23A: 250 A DC 250 V 1 pole DC-23A: 250 A DC 500 V 2 poles in series
[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-3
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-3
[Ith] conventional free air thermal current	250 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 4.9 kA switch-disconnector alone
Breaking capacity code	NA
Suitability for isolation	Yes conforming to EN 60947-3 Yes conforming to IEC 60947-3
Contact position indicator	Yes
Visible break	No
Pollution degree	3 conforming to IEC 60664-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front

[Icw] rated short-time withstand current	1.35 kA during 20 s conforming to IEC 60947-3 3.5 kA during 1 s conforming to IEC 60947-3 3.5 kA during 3 s conforming to IEC 60947-3
Mechanical durability	20000 cycles conforming to IEC 60947-3
Electrical durability	AC-22A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 AC-22A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 AC-23A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 AC-23A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 AC-22A: 15000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 3000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 7500 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 15000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 7500 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3
Connection pitch	35 mm
Height	161 mm
Width	105 mm
Depth	86 mm
Net weight	1.8 kg

Environment

Standards	EN/IEC 60947-3
Product certifications	IECEE CB Scheme
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Electrical shock protection class	Class II
Ambient air temperature for operation	-35…70 °C
Ambient air temperature for storage	-55…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.0 cm
Package 1 Width	11.3 cm
Package 1 Length	19.3 cm
Package 1 Weight	1.988 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.372 kg

Contractual warranty

Warranty (in months)	18

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	**763 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**10 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.4 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**752 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**

Use Better

Materials and Substances

SCIP Number	**3874e08b-fcb8-4aa9-87c4-d36abebf2833**
EU RoHS Directive	**Compliant By Exemption**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

End of life manual availability	**End of Life Information**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**