

Product datasheet

Specifications



circuit breaker ComPact NSX100N
AC/DC. 25 kA at 240 VAC. TMD
trip unit 20 A. 1 pole 1d

LV438573

⚠ Discontinued on: 20 Nov 2023

⚠ Discontinued

Price: 2,342.95 ZAR

Main

Range	ComPact
Product Name	ComPact NSX
Range Of Product	ComPact NSX100...250 DC ComPact NSX100...250
Device Short Name	NSX100N
Product Or Component Type	Circuit breaker
Device Application	Distribution
Number Of Poles	1P
Protected Poles Description	1t
[In] Rated Current	20 A at 40 °C
[Ue] Rated Operational Voltage	250 V DC 277 V AC 50/60 Hz
Network Type	DC AC
Network Frequency	50/60 Hz
Suitability For Isolation	Yes conforming to EN/IEC 60947-2
Utilisation Category	Category A
[Icu] Rated Ultimate Short-Circuit Breaking Capacity	50 kA Icu at 250 V DC 1P conforming to IEC 60947-2 50 kA Icu at 125 V DC 1P conforming to IEC 60947-2 25 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	N 25 kA 240 V AC
Trip Unit Name	TM-D
Trip Unit Technology	Thermal-magnetic
Control Type	Toggle
Circuit Breaker Mounting Mode	Fixed

Complementary

[Uij] Rated Insulation Voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2
[Ics] Rated Service Short-Circuit Breaking Capacity	50 kA at 250 V DC conforming to IEC 60947-2 50 kA at 125 V DC conforming to IEC 60947-2 25 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	20000 cycles

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Electrical Durability	10000 cycles at 277 V In 20000 cycles at 277 V In/2
Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	35 mm
Protection Type	for overload protection (thermal) for short-circuit protection (magnetic)
Trip Unit Rating	20 A at 40 °C
Long-Time Pick-Up Adjustment Type I_r (Thermal Protection)	Fixed
[I_r] Long-Time Protection Pick-Up Adjustment Range	1 In
[I_m] Magnetic Protection Pick-Up Range	190 A
Earth-Leakage Protection	Without
Width (W)	35 mm
Height (H)	161 mm
Depth (D)	86 mm

Environment

Standards	EN/IEC 60947
Product Certifications	CCC EAC Marine
Overvoltage Category	Class II
Electrical Shock Protection Class	Class II
Pollution Degree	3 conforming to IEC 60664-1
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to IEC 62262
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-50...85 °C
Relative Humidity	0...95 %
Operating Altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	13.0 cm
Package 1 Length	17.5 cm
Package 1 Weight	736.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	12
Package 2 Height	30.0 cm

Package 2 Width	30.0 cm
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Package 2 Length	40.0 cm
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Package 2 Weight	9.303 kg
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Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)