

# Product datasheet

Specifications



circuit breaker ComPact  
NSX100N. 50 kA at 415 VAC.  
TMD trip unit 40 A. 4 poles 4d

LV429864

⚠ Discontinued on: 02 Jan 2024

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Price: 7,828.28 ZAR

## Main

Range	ComPact
Product Name	ComPact NSX
Range Of Product	ComPact NSX100...250
Device Short Name	NSX100N
Product Or Component Type	Circuit breaker
Device Application	Distribution
Number Of Poles	4P
Protected Poles Description	4t
Neutral Position	Left
[In] Rated Current	40 A at 40 °C
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
Network Type	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	85 kA at 240 V AC 50/60 Hz conforming to UL 508 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to UL 508 50 kA at 480 V AC 50/60 Hz conforming to UL 508 36 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	N 50 kA 415 V AC
Trip Unit Name	TM-D
Trip Unit Technology	Thermal-magnetic
Trip Unit Protection Functions	LI
Control Type	Toggle
Circuit Breaker Mounting Mode	Fixed

## Complementary

[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV

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

<b>[Ics] Rated Service Short-Circuit Breaking Capacity</b>	10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
<b>Mechanical Durability</b>	50000 cycles
<b>Electrical Durability</b>	10000 cycles at 690 V In 20000 cycles at 690 V In/2 30000 cycles at 440 V In 50000 cycles at 440 V In/2
<b>Mounting Support</b>	Backplate
<b>Upside Connection</b>	Front
<b>Downside Connection</b>	Front
<b>Connection Pitch</b>	35 mm
<b>Protection Type</b>	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
<b>Trip Unit Rating</b>	40 A at 40 °C
<b>Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)</b>	Adjustable
<b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>	0.7...1 x In
<b>Long-Time Protection Delay Adjustment Type Tr</b>	Fixed
<b>[Tr] Long-Time Protection Delay Adjustment Range</b>	120...400 s at 1.5 x In 15 s at 6 x Ir
<b>Short-Time Protection Pick-Up Adjustment Type Isd</b>	Fixed
<b>[Isd] Short-Time Protection Pick-Up Adjustment Range</b>	500 A
<b>Short-Time Protection Delay Adjustment Type Tsd</b>	Fixed
<b>Earth-Leakage Protection</b>	Without
<b>Neutral Protection Settings</b>	1 x Ir (4t)
<b>Number Of Slots For Electrical Auxiliaries</b>	5 slot(s)
<b>Width (W)</b>	140 mm
<b>Height (H)</b>	161 mm
<b>Depth (D)</b>	86 mm
<b>Net Weight</b>	2.4 kg

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Product Certifications</b>	CCC EAC Marine
<b>Overvoltage Category</b>	Class II
<b>Electrical Shock Protection Class</b>	Class II
<b>Pollution Degree</b>	3 conforming to IEC 60664-1
<b>Ip Degree Of Protection</b>	IP40 conforming to IEC 60529
<b>Ik Degree Of Protection</b>	IK07 conforming to IEC 62262
<b>Ambient Air Temperature For Operation</b>	-25...70 °C

<b>Ambient Air Temperature For Storage</b>	-50...85 °C
<b>Relative Humidity</b>	0...95 %
<b>Operating Altitude</b>	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	17.56 cm
<b>Package 1 Width</b>	14.5 cm
<b>Package 1 Length</b>	19.0 cm
<b>Package 1 Weight</b>	2.442 kg
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	4
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	10.209 kg

## Contractual warranty

<b>Warranty</b>	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-CO<sub>2</sub> 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](#)