

# Product datasheet

Specifications



circuit breaker ComPact  
NSX100F. 36 kA at 415 VAC. MA  
trip unit 25 A. 3 poles 3d

LV429742

! Discontinued on: 15 Jun 2023

! Discontinued

Price: 5,305.50 ZAR

## Main

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product Name                                         | ComPact NSX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Range Of Product                                     | ComPact NSX100...250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Device Short Name                                    | NSX100F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product Or Component Type                            | Circuit breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Device Application                                   | Motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Number Of Poles                                      | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protected Poles Description                          | 3t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [In] Rated Current                                   | 25 A at 65 °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 | 10 kA at 600 V AC 50/60 Hz conforming to UL 508<br>25 kA at 480 V AC 50/60 Hz conforming to UL 508<br>85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance Level                                    | F 36 kA 415 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Trip Unit Name                                       | MA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Trip Unit Technology                                 | Magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Trip Unit Protection Functions                       | I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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"

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

|                                                             |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Ics] Rated Service Short-Circuit Breaking Capacity</b>  | 11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>4 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>12.5 kA at 500 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<br>20000 cycles at 690 V In/2<br>30000 cycles at 440 V In<br>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>                                      | I : for short-circuit protection (magnetic)                                                                                                                                                                                                                                                                                                               |
| <b>Trip Unit Rating</b>                                     | 25 A at 65 °C                                                                                                                                                                                                                                                                                                                                             |
| <b>Short-Time Protection Pick-Up Adjustment Type Isd</b>    | Adjustable 9 settings                                                                                                                                                                                                                                                                                                                                     |
| <b>[Isd] Short-Time Protection Pick-Up Adjustment Range</b> | 6...14 x In                                                                                                                                                                                                                                                                                                                                               |
| <b>Earth-Leakage Protection</b>                             | Without                                                                                                                                                                                                                                                                                                                                                   |
| <b>Number Of Slots For Electrical Auxiliaries</b>           | 5 slot(s)                                                                                                                                                                                                                                                                                                                                                 |
| <b>Width (W)</b>                                            | 105 mm                                                                                                                                                                                                                                                                                                                                                    |
| <b>Height (H)</b>                                           | 161 mm                                                                                                                                                                                                                                                                                                                                                    |
| <b>Depth (D)</b>                                            | 86 mm                                                                                                                                                                                                                                                                                                                                                     |
| <b>Net Weight</b>                                           | 2.05 kg                                                                                                                                                                                                                                                                                                                                                   |

## Environment

|                                              |                                                              |
|----------------------------------------------|--------------------------------------------------------------|
| <b>Standards</b>                             | EN/IEC 60947                                                 |
| <b>Product Certifications</b>                | CCC<br>EAC<br>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<br>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>             | 11.4 cm |

|                  |          |
|------------------|----------|
| Package 1 Width  | 17.12 cm |
| Package 1 Length | 19.5 cm  |
| Package 1 Weight | 1.817 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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.

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Transparency   RoHS/REACH

## Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

## Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |