


# Product data sheet

Specifications



Circuit breaker basic frame,  
ComPact NSX100F, 36kA at  
415VAC 50/60 Hz, 100A, without  
trip unit, 3 poles

LV429003

 **Discontinued on:** Oct 26, 2023

 **Discontinued**

**Important message:** This product has been switched to new  
ComPacT range and is no longer commercialized.

## Main

|  |  |
|--|--|
| Range  | ComPact  |
| Range Of Product                                     | ComPact NSX100...250   |
| Device Short Name                                    | NSX100F  |
| Product Or Component Type                            | Basic frame  |
| Device Application                                   | Distribution   |
| Circuit Breaker Name                                 | Compact NSX100F  |
| Number Of Poles                                      | 3P   |
| [In] Rated Current                                   | 100 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 | 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   |
| Control Type   | Toggle   |
| Mounting Mode  | Fixed  |

## Complementary

|   |   |
|---|---|
| [Ui] Rated Insulation Voltage                       | 800 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 | 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 |

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

|                       |  |
|-----------------------|--|
| Mechanical Durability | 50000 cycles conforming to IEC 60947-2   |
| Electrical Durability | 10000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2<br>20000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>30000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Mounting Support      | Backplate  |
| Upside Connection     | Front  |
| Downside Connection   | Front  |
| Connection Pitch      | 35 mm  |
| Protection Type       | Without protection   |
| Width (W)             | 105 mm   |
| Height (H)            | 161 mm   |
| Depth (D)             | 86 mm  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2<br>UL 508     |
| Product Certifications                | UL<br>CSA                    |
| 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                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 11.4 cm   |
| Package 1 Width              | 14.0 cm   |
| Package 1 Length             | 19.5 cm   |
| Package 1 Weight             | 1.438 kg  |
| Unit Type Of Package 2       | S04       |
| Number Of Units In Package 2 | 15        |
| Package 2 Height             | 30.0 cm   |
| Package 2 Width              | 40.0 cm   |
| Package 2 Length             | 60.0 cm   |
| Package 2 Weight             | 22.306 kg |
| Unit Type Of Package 3       | P12       |
| Number Of Units In Package 3 | 60        |
| Package 3 Height             | 45.0 cm   |
| Package 3 Width              | 80.0 cm   |
| Package 3 Length             | 120.0 cm  |

|                  |            |
|------------------|------------|
| Package 3 Weight | 101.224 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.

**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          | <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>   |
| California Proposition 65 | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                  |