

# Product datasheet

Specifications



! Discontinued

circuit breaker basic frame.  
ComPact NSX160F DC. 36 kA at  
750 VDC. 160 A. without trip unit.  
3 poles

LV438103

! Discontinued on: 02 Jan 2024

**Price: 2,863.21 ZAR**

## Main

|                                                      |                                                                                                                                                                                                                           |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPact                                                                                                                                                                                                                   |
| Range Of Product                                     | ComPact NSX100...250 DC                                                                                                                                                                                                   |
| Device Short Name                                    | Compact NSX160F DC                                                                                                                                                                                                        |
| Product Or Component Type                            | Basic frame                                                                                                                                                                                                               |
| Device Application                                   | Distribution                                                                                                                                                                                                              |
| Circuit Breaker Name                                 | Compact NSX160F DC                                                                                                                                                                                                        |
| Number Of Poles                                      | 3P                                                                                                                                                                                                                        |
| [In] Rated Current                                   | 160 A at 40 °C                                                                                                                                                                                                            |
| [Ue] Rated Operational Voltage                       | 750 V DC                                                                                                                                                                                                                  |
| Network Type                                         | DC                                                                                                                                                                                                                        |
| Suitability For Isolation                            | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                          |
| Utilisation Category                                 | Category A                                                                                                                                                                                                                |
| [Icu] Rated Ultimate Short-Circuit Breaking Capacity | 36 kA Icu at 250 V DC 1P conforming to IEC 60947-2<br>36 kA Icu at 24...125 V DC 1P conforming to IEC 60947-2<br>36 kA Icu at 500 V DC 2P conforming to IEC 60947-2<br>36 kA Icu at 750 V DC 3P conforming to IEC 60947-2 |
| Performance Level                                    | F 36 kA 750 V DC                                                                                                                                                                                                          |
| Control Type                                         | Toggle                                                                                                                                                                                                                    |
| Mounting Mode                                        | Fixed                                                                                                                                                                                                                     |

## Complementary

|                                                     |                                                                                                                                                                                                                 |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] Rated Insulation Voltage                       | 750 V DC conforming to IEC 60947-2                                                                                                                                                                              |
| [Uimp] Rated Impulse Withstand Voltage              | 8 kV conforming to IEC 60947-2                                                                                                                                                                                  |
| [Ics] Rated Service Short-Circuit Breaking Capacity | 36 kA at 250 V DC conforming to IEC 60947-2 (1P)<br>36 kA at 48/125 V DC conforming to IEC 60947-2 (1P)<br>36 kA at 500 V DC conforming to IEC 60947-2 (2P)<br>36 kA at 750 V DC conforming to IEC 60947-2 (3P) |
| Maximum Breaking Time                               | 10 ms                                                                                                                                                                                                           |
| Mechanical Durability                               | 10000 cycles conforming to IEC 60947-2                                                                                                                                                                          |

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

|                              |                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Electrical Durability</b> | 10000 cycles 250 V DC In/2 conforming to IEC 60947-2<br>10000 cycles 500 V DC In/2 conforming to IEC 60947-2<br>10000 cycles 750 V DC In/2 conforming to IEC 60947-2<br>5000 cycles 250 V DC In conforming to IEC 60947-2<br>5000 cycles 500 V DC In conforming to IEC 60947-2<br>5000 cycles 750 V DC In conforming to IEC 60947-2 |
| <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>       | Without protection                                                                                                                                                                                                                                                                                                                  |
| <b>Width (W)</b>             | 105 mm                                                                                                                                                                                                                                                                                                                              |
| <b>Height (H)</b>            | 161 mm                                                                                                                                                                                                                                                                                                                              |
| <b>Depth (D)</b>             | 86 mm                                                                                                                                                                                                                                                                                                                               |

## Environment

|                                              |                               |
|----------------------------------------------|-------------------------------|
| <b>Standards</b>                             | IEC 60947-2                   |
| <b>Product Certifications</b>                | KEMA<br>ASEFA<br>ASTA<br>LCIE |
| <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 EN 50102   |
| <b>Ambient Air Temperature For Operation</b> | -25...70 °C                   |
| <b>Ambient Air Temperature For Storage</b>   | -50...85 °C                   |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type Of Package 1</b>       | PCE       |
| <b>Number Of Units In Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 13.6 cm   |
| <b>Package 1 Width</b>              | 11.5 cm   |
| <b>Package 1 Length</b>             | 19.2 cm   |
| <b>Package 1 Weight</b>             | 1.497 kg  |
| <b>Unit Type Of Package 2</b>       | S04       |
| <b>Number Of Units In Package 2</b> | 12        |
| <b>Package 2 Height</b>             | 30.0 cm   |
| <b>Package 2 Width</b>              | 40.0 cm   |
| <b>Package 2 Length</b>             | 60.0 cm   |
| <b>Package 2 Weight</b>             | 18.766 kg |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 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 [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](#)