# Product data sheet

Specifications

## Circuit breaker basic frame, ComPact NSX160S DC, 100kA at 750VDC, 160A, without trip unit, 4 poles

LV438119

⊘ **Discontinued**

⊘ **Discontinued on:** Jun 30, 2023

**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 DC |
| **Device Short Name** | Compact NSX160S DC |
| **Product Or Component Type** | Basic frame |
| **Device Application** | Distribution |
| **Circuit Breaker Name** | Compact NSX160S DC |
| **Number Of Poles** | 4P |
| **[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** | 100 kA Icu at 250 V DC 1P conforming to IEC 60947-2<br>100 kA Icu at 24...125 V DC 1P conforming to IEC 60947-2<br>100 kA Icu at 500 V DC 2P conforming to IEC 60947-2<br>100 kA Icu at 750 V DC 3P conforming to IEC 60947-2 |
| **Performance Level** | S 100 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** | 100 kA at 250 V DC conforming to IEC 60947-2 (1P)<br>100 kA at 48/125 V DC conforming to IEC 60947-2 (1P)<br>100 kA at 500 V DC conforming to IEC 60947-2 (2P)<br>100 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 |

| Electrical Durability | 10000 cycles 250 V DC In/2 conforming to IEC 60947-2 |
| --- | --- |
| | 10000 cycles 500 V DC In/2 conforming to IEC 60947-2 |
| | 10000 cycles 750 V DC In/2 conforming to IEC 60947-2 |
| | 5000 cycles 250 V DC In conforming to IEC 60947-2 |
| | 5000 cycles 500 V DC In conforming to IEC 60947-2 |
| | 5000 cycles 750 V DC In conforming to IEC 60947-2 |
| Mounting Support | Backplate |
| Upside Connection | Front |
| Downside Connection | Front |
| Connection Pitch | 35 mm |
| Protection Type | Without protection |
| Width (W) | 140 mm |
| Height (H) | 161 mm |
| Depth (D) | 86 mm |

## Environment

| Standards | IEC 60947-2 |
| --- | --- |
| Product Certifications | ASTA |
| | LCIE |
| | KEMA |
| | ASEFA |
| Pollution Degree | 3 conforming to IEC 60664-1 |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |
| Ik Degree Of Protection | IK07 conforming to EN 50102 |
| 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 | 13.5 cm |
| Package 1 Width | 14.6 cm |
| Package 1 Length | 18.8 cm |
| Package 1 Weight | 2.023 kg |

## 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-$CO_2$ 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

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✓ Rohs Exemption Information        Yes

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## Certifications & Standards

**Reach Regulation**        REACh Declaration

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**Eu Rohs Directive**        Compliant with Exemptions

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**China Rohs Regulation**        China RoHS declaration

Product out of China RoHS scope. Substance declaration for your information

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**Environmental Disclosure**        Product Environmental Profile

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

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**Circularity Profile**        End of Life Information

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**California Proposition 65**        WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov