

# Lembar data produk

Spesifikasi



## circuit breaker Compact NSX100H - Micrologic 2.2 - 100 A - 4 poles 4d

LV429800

⚠ Telah dihentikan pada: 15 Jun 2023

⚠ Dihentikan

### Main

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Name                                         | ComPact NSX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Range Of Product                                     | ComPact NSX100...250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Device Short Name                                    | NSX100H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Or Component Type                            | Circuit breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Device Application                                   | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Number Of Poles                                      | 4P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protected Poles Description                          | 4t<br>3t + N/2<br>3t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Neutral Position                                     | Left                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [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>85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>65 kA at 480 V AC 50/60 Hz conforming to UL 508<br>10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance Level                                    | H 70 kA 415 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Trip Unit Name                                       | MicroLogic 2.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Trip Unit Technology                                 | Electronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Trip Unit Protection Functions                       | LSol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Control Type                                         | Toggle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Circuit Breaker Mounting Mode                        | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### Complementary

|                               |                   |
|-------------------------------|-------------------|
| [Ui] Rated Insulation Voltage | 800 V AC 50/60 Hz |
|-------------------------------|-------------------|

Disklaimer: Dokumentasi ini tidak ditujukan digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

|                                                                  |                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Uimp] Rated Impulse Withstand Voltage</b>                    | 8 kV                                                                                                                                                                                                                                                                                                                                                      |
| <b>[Ics] Rated Service Short-Circuit Breaking Capacity</b>       | 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA at 380/415 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>                                           | L : for overload protection (long time)<br>So : for short time short-circuit protection with fixed delay<br>I : for instantaneous short-circuit protection                                                                                                                                                                                                |
| <b>Trip Unit Rating</b>                                          | 100 A at 40 °C                                                                                                                                                                                                                                                                                                                                            |
| <b>Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)</b> | Adjustable 9 settings                                                                                                                                                                                                                                                                                                                                     |
| <b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>        | 40...100 A                                                                                                                                                                                                                                                                                                                                                |
| <b>Long-Time Protection Delay Adjustment Type Tr</b>             | Fixed                                                                                                                                                                                                                                                                                                                                                     |
| <b>[Tr] Long-Time Protection Delay Adjustment Range</b>          | 11 s at 7.2 x Ir<br>16 s at 6 x Ir<br>400 s at 1.5 x Ir                                                                                                                                                                                                                                                                                                   |
| <b>Thermal Memory</b>                                            | 20 minutes before and after tripping                                                                                                                                                                                                                                                                                                                      |
| <b>Short-Time Protection Pick-Up Adjustment Type Isd</b>         | Adjustable 9 settings                                                                                                                                                                                                                                                                                                                                     |
| <b>[Isd] Short-Time Protection Pick-Up Adjustment Range</b>      | 1.5...10 x Ir                                                                                                                                                                                                                                                                                                                                             |
| <b>Short-Time Protection Delay Adjustment Type Tsd</b>           | Fixed                                                                                                                                                                                                                                                                                                                                                     |
| <b>Instantaneous Protection Pick-Up Adjustment Type Ii</b>       | Fixed                                                                                                                                                                                                                                                                                                                                                     |
| <b>[Ii] Instantaneous Protection Pick-Up Adjustment Range</b>    | 1500 A                                                                                                                                                                                                                                                                                                                                                    |
| <b>Earth-Leakage Protection</b>                                  | Without                                                                                                                                                                                                                                                                                                                                                   |
| <b>Neutral Protection Settings</b>                               | 0.5 x Ir (3t + N/2)<br>1 x Ir (4t)<br>No protection (3t)                                                                                                                                                                                                                                                                                                  |
| <b>Zone Selective Interlocking Zsi</b>                           | Without                                                                                                                                                                                                                                                                                                                                                   |
| <b>Number Of Slots For Electrical Auxiliaries</b>                | 5 slot(s)                                                                                                                                                                                                                                                                                                                                                 |
| <b>Local Signalling</b>                                          | Flashing LED (green) for ready to operate<br>LED 105 % Ir (red) for overload<br>LED 90 % Ir (orange) for overload                                                                                                                                                                                                                                         |
| <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

|                                       |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| Standards                             | EN/IEC 60947                                                 |
| Product Certifications                | CCC<br>EAC<br>Marine                                         |
| Overvoltage Category                  | Class II                                                     |
| Electrical Shock Protection Class     | Class II                                                     |
| 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                                                  |
| Relative Humidity                     | 0...95 %                                                     |
| Operating Altitude                    | 0...2000 m without derating<br>2000 m...5000 m with derating |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 14.500 cm |
| Package 1 Width              | 16.860 cm |
| Package 1 Length             | 19.000 cm |
| Package 1 Weight             | 2.407 kg  |
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 6         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 14.942 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 12 months |
|----------|-----------|

Keberlanjutan



**Green Premium™** label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO<sub>2</sub>.

**Panduan untuk menilai keberlanjutan produk** adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi   RoHS/REACH

## Kinerja kesejahteraan

 Mercury Free

 Rohs Exemption Information [Yes](#)

## Sertifikasi & Standar

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 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>                                                                                     |