

# Lembar data produk

Spesifikasi



## Circuit breaker, ComPact NSX100B, 25kA/415VAC, TMD trip unit 32A, 3 poles 2d

LV429545

⚠ Telah dihentikan pada: 7 Jul 2021

⚠ Dihentikan

### Main

|                                                      |                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPact                                                                                                                                                                                                                                              |
| Product Name                                         | ComPact NSX                                                                                                                                                                                                                                          |
| Range Of Product                                     | ComPact NSX100...250                                                                                                                                                                                                                                 |
| Device Short Name                                    | NSX100B                                                                                                                                                                                                                                              |
| Product Or Component Type                            | Circuit breaker                                                                                                                                                                                                                                      |
| Device Application                                   | Distribution                                                                                                                                                                                                                                         |
| Number Of Poles                                      | 3P                                                                                                                                                                                                                                                   |
| Protected Poles Description                          | 2t                                                                                                                                                                                                                                                   |
| [In] Rated Current                                   | 32 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 | 15 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance Level                                    | B 25 kA 415 V AC                                                                                                                                                                                                                                     |
| Trip Unit Name                                       | TM-D                                                                                                                                                                                                                                                 |
| Trip Unit Technology                                 | Thermal-magnetic                                                                                                                                                                                                                                     |
| Trip Unit Protection Functions                       | LI                                                                                                                                                                                                                                                   |
| Control Type                                         | Toggle                                                                                                                                                                                                                                               |
| Circuit Breaker Mounting Mode                        | Fixed                                                                                                                                                                                                                                                |

### Complementary

|                                                     |                                                                                                                                                                                                                                       |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Uij] Rated Insulation Voltage                      | 800 V AC 50/60 Hz                                                                                                                                                                                                                     |
| [Uimp] Rated Impulse Withstand Voltage              | 8 kV                                                                                                                                                                                                                                  |
| [Ics] Rated Service Short-Circuit Breaking Capacity | 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>7.5 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical Durability                               | 50000 cycles                                                                                                                                                                                                                          |

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

|                                                           |                                                                                                                  |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Electrical Durability                                     | 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 |
| Mounting Support                                          | Backplate                                                                                                        |
| Upside Connection                                         | Front                                                                                                            |
| Downside Connection                                       | Front                                                                                                            |
| Connection Pitch                                          | 35 mm                                                                                                            |
| Protection Type                                           | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)                             |
| Trip Unit Rating                                          | 32 A at 40 °C                                                                                                    |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Adjustable                                                                                                       |
| [Ir] Long-Time Protection Pick-Up Adjustment Range        | 0.7...1 x In                                                                                                     |
| Long-Time Protection Delay Adjustment Type Tr             | Fixed                                                                                                            |
| [Tr] Long-Time Protection Delay Adjustment Range          | 120...400 s at 1.5 x In<br>15 s at 6 x Ir                                                                        |
| Short-Time Protection Pick-Up Adjustment Type Isd         | Fixed                                                                                                            |
| [Isd] Short-Time Protection Pick-Up Adjustment Range      | 400 A                                                                                                            |
| Short-Time Protection Delay Adjustment Type Tsd           | Fixed                                                                                                            |
| Earth-Leakage Protection                                  | Without                                                                                                          |
| Number Of Slots For Electrical Auxiliaries                | 5 slot(s)                                                                                                        |
| Width (W)                                                 | 105 mm                                                                                                           |
| Height (H)                                                | 161 mm                                                                                                           |
| Depth (D)                                                 | 86 mm                                                                                                            |
| Net Weight                                                | 2.05 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 |
|------------------------------|---|

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 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 >](#)



RoHS/REACH

Kinerja kesejahteraan



Mercury Free



Rohs Exemption Information

Yes

Sertifikasi & Standar

Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)

China Rohs Regulation

[China RoHS declaration](#)

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