

# Lembar data produk

Spesifikasi



circuit breaker Compact NSXm  
50A 4P 16kA at 380/415V(IEC)  
compression lug

LV426164

⚠ Telah dihentikan pada: 30 Jun 2023

⚠ Dihentikan

## Main

|                                                      |                                                                                                                                                                                                                                                         |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPact                                                                                                                                                                                                                                                 |
| Product Name                                         | ComPact NSXm                                                                                                                                                                                                                                            |
| Range Of Product                                     | ComPact NSXm                                                                                                                                                                                                                                            |
| Device Short Name                                    | NSXm 50E                                                                                                                                                                                                                                                |
| Product Or Component Type                            | Circuit breaker                                                                                                                                                                                                                                         |
| Device Application                                   | Protection<br>Distribution                                                                                                                                                                                                                              |
| Number Of Poles                                      | 4P                                                                                                                                                                                                                                                      |
| Protected Poles Description                          | 3D                                                                                                                                                                                                                                                      |
| Neutral Position                                     | Left                                                                                                                                                                                                                                                    |
| [In] Rated Current                                   | 50 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 | 25 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>16 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance Level                                    | E 16 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                        | By screws<br>Clip-on                                                                                                                                                                                                                                    |

## Complementary

|                                        |                   |
|----------------------------------------|-------------------|
| [Uij] Rated Insulation Voltage         | 800 V AC 50/60 Hz |
| [Uimp] Rated Impulse Withstand Voltage | 8 kV              |

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

|                                                                  |                                                                                                                                                                                                                                         |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Ics] Rated Service Short-Circuit Breaking Capacity</b>       | 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>16 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| <b>Mechanical Durability</b>                                     | 20000 cycles                                                                                                                                                                                                                            |
| <b>Electrical Durability</b>                                     | 10000 cycles at 440 V In<br>20000 cycles at 440 V In/2<br>5000 cycles at 690 V In<br>10000 cycles at 690 V In/2                                                                                                                         |
| <b>Mounting Support</b>                                          | Plate<br>DIN rail                                                                                                                                                                                                                       |
| <b>Connection Terminals</b>                                      | compression lug/busbar                                                                                                                                                                                                                  |
| <b>Connection Pitch</b>                                          | 35 mm with spreaders<br>27 mm without spreaders                                                                                                                                                                                         |
| <b>9 Mm Pitches</b>                                              | 12 module                                                                                                                                                                                                                               |
| <b>Protection Type</b>                                           | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)                                                                                                                                                    |
| <b>Trip Unit Rating</b>                                          | 50 A at 40 °C                                                                                                                                                                                                                           |
| <b>Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)</b> | Adjustable                                                                                                                                                                                                                              |
| <b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>        | 0.7...1 x In                                                                                                                                                                                                                            |
| <b>Long-Time Protection Delay Adjustment Type Tr</b>             | Fixed                                                                                                                                                                                                                                   |
| <b>[Im] Magnetic Protection Pick-Up Range</b>                    | 600 A                                                                                                                                                                                                                                   |
| <b>Earth-Leakage Protection</b>                                  | Without                                                                                                                                                                                                                                 |
| <b>Number Of Slots For Electrical Auxiliaries</b>                | 1 slot(s) for auxiliary switch OF<br>1 slot(s) for alarm switch SD<br>1 slot(s) for voltage release MN or MX                                                                                                                            |
| <b>Width (W)</b>                                                 | 108 mm                                                                                                                                                                                                                                  |
| <b>Height (H)</b>                                                | 137 mm                                                                                                                                                                                                                                  |
| <b>Depth (D)</b>                                                 | 80 mm                                                                                                                                                                                                                                   |
| <b>Net Weight</b>                                                | 1.42 kg                                                                                                                                                                                                                                 |
| <b>Colour</b>                                                    | Grey (RAL 7016)                                                                                                                                                                                                                         |

## Environment

|                                              |                                                            |
|----------------------------------------------|------------------------------------------------------------|
| <b>Standards</b>                             | EN/IEC 60947                                               |
| <b>Product Certifications</b>                | CCC<br>EAC<br>Marine                                       |
| <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 IEC 62262                               |
| <b>Ambient Air Temperature For Operation</b> | -25...70 °C                                                |
| <b>Ambient Air Temperature For Storage</b>   | -50...85 °C                                                |
| <b>Relative Humidity</b>                     | 0...95 %                                                   |
| <b>Operating Altitude</b>                    | 0...2000 m without derating<br>2000...5000 m with derating |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 12.5 cm  |
| Package 1 Width              | 11.7 cm  |
| Package 1 Length             | 22.0 cm  |
| Package 1 Weight             | 1.6 kg   |
| Unit Type Of Package 2       | S03      |
| Number Of Units In Package 2 | 6        |
| Package 2 Height             | 30.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 10.19 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      | No need of specific recycling operations                                                                                    |