

# Product datasheet

Specifications



circuit breaker Compact NSXm  
F (36 kA at 415 VAC), 3P, 125  
A rating TMD trip unit, EverLink  
connectors

LV426308

⚠ Discontinued on: 31 December 2022

⚠ Discontinued

## Main

|                                                      |                                                                                                                                                                                              |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPact                                                                                                                                                                                      |
| Product name                                         | ComPact NSXm                                                                                                                                                                                 |
| Range of product                                     | ComPact NSXm                                                                                                                                                                                 |
| Device short name                                    | NSXm 125F                                                                                                                                                                                    |
| Product or component type                            | Circuit breaker                                                                                                                                                                              |
| Device application                                   | Distribution<br>Protection                                                                                                                                                                   |
| Number of poles                                      | 3P                                                                                                                                                                                           |
| Protected poles description                          | 3D                                                                                                                                                                                           |
| [In] rated current                                   | 125 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 | 85 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level                                    | F 36 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

|                                        |                   |
|----------------------------------------|-------------------|
| [Ui] rated insulation voltage          | 800 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV              |

|                                                           |                                                                                                                                                                                  |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service short-circuit breaking capacity       | 85 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability                                     | 20000 cycles                                                                                                                                                                     |
| Electrical durability                                     | 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                                                                  |
| Mounting support                                          | Plate<br>DIN rail                                                                                                                                                                |
| Connection terminals                                      | 1 Everlink lug wire size 2.5...70 mm², flexible copper<br>1 Everlink lug wire size 2.5...95 mm², rigid or stranded copper                                                        |
| Connection pitch                                          | 35 mm with spreaders<br>27 mm without spreaders                                                                                                                                  |
| 9 mm pitches                                              | 9 module                                                                                                                                                                         |
| Protection type                                           | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)                                                                                             |
| Trip unit rating                                          | 125 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                                                                                                                                                                            |
| [Im] magnetic protection pick-up range                    | 1250 A                                                                                                                                                                           |
| Earth-leakage protection                                  | Without                                                                                                                                                                          |
| Number of slots for electrical auxiliaries                | 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                                                                     |
| Width (W)                                                 | 81 mm                                                                                                                                                                            |
| Height (H)                                                | 137 mm                                                                                                                                                                           |
| Depth (D)                                                 | 80 mm                                                                                                                                                                            |
| Net weight                                                | 1.06 kg                                                                                                                                                                          |
| Colour                                                    | Grey (RAL 7016)                                                                                                                                                                  |

## Environment

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Standards                             | EN/IEC 60947                                               |
| Product certifications                | CCC<br>EAC<br>Marine                                       |
| 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...5000 m with derating |

## Packing Units

|                        |     |
|------------------------|-----|
| Unit Type of Package 1 | PCE |
|------------------------|-----|

|                              |            |
|------------------------------|------------|
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 9.000 cm   |
| Package 1 Width              | 12.000 cm  |
| Package 1 Length             | 21.000 cm  |
| Package 1 Weight             | 1.207 kg   |
| Unit Type of Package 2       | S03        |
| Number of Units in Package 2 | 9          |
| Package 2 Height             | 30.000 cm  |
| Package 2 Width              | 30.000 cm  |
| Package 2 Length             | 40.000 cm  |
| Package 2 Weight             | 11.244 kg  |
| Unit Type of Package 3       | P12        |
| Number of Units in Package 3 | 72         |
| Package 3 Height             | 45.000 cm  |
| Package 3 Width              | 80.000 cm  |
| Package 3 Length             | 120.000 cm |
| Package 3 Weight             | 101.952 kg |

Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| 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 |

Recommended replacement(s)