

# Product datasheet

Specifications



## I-Line circuit breaker, 1 Pole L2, 20A rating, 25kA, TMD trip unit adapted ComPacT NSX new generation

IL0201P252

EAN Code: 5018934031323

### Main

|                                                      |                                                                                         |
|------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Range                                                | I-Line                                                                                  |
| Range Of Product                                     | ComPacT NSX100...250 new generation                                                     |
| Device Short Name                                    | NSX100B                                                                                 |
| Product Or Component Type                            | Circuit breaker                                                                         |
| Device Application                                   | Distribution                                                                            |
| Number Of Poles                                      | 1P                                                                                      |
| [In] Rated Current                                   | 20 A at 40 °C                                                                           |
| [Ue] Rated Operational Voltage                       | 277 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>250 V DC conforming to EN/IEC 60947-2 |
| 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 EN 60947-2                             |
| Performance Level                                    | N                                                                                       |
| Trip Unit Name                                       | TM-D                                                                                    |
| Trip Unit Technology                                 | Thermal-magnetic                                                                        |
| Trip Unit Protection Functions                       | LI                                                                                      |
| Control Type                                         | Toggle                                                                                  |
| Mounting Location                                    | I-Line                                                                                  |

### Complementary

|                                                           |                                                                                        |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------|
| [Ui] Rated Insulation Voltage                             | 800 V AC 50/60 Hz conforming to EN/IEC 60947-2                                         |
| [Uimp] Rated Impulse Withstand Voltage                    | 8 kV conforming to EN/IEC 60947-2                                                      |
| [Ics] Rated Service Short-Circuit Breaking Capacity       | 25 kA at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2                            |
| Mechanical Durability                                     | 20000 cycles                                                                           |
| Electrical Durability                                     | 20000 cycles at 277 V In<br>10000 cycles at 277 V In/2                                 |
| Protection Type                                           | L : for overload protection (long time)<br>I : for short-circuit protection (magnetic) |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Fixed                                                                                  |
| [Ir] Long-Time Protection Pick-Up Adjustment Range        | 1 In                                                                                   |
| Long-Time Protection Delay Adjustment Type Tr             | Fixed                                                                                  |
| Instantaneous Protection Pick-Up Adjustment Type Ii       | Fixed                                                                                  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                                        |        |
|--------------------------------------------------------|--------|
| [Ii] Instantaneous Protection Pick-Up Adjustment Range | 190 A  |
| Width (W)                                              | 35 mm  |
| Height (H)                                             | 161 mm |
| Depth (D)                                              | 86 mm  |
| Net Weight                                             | 0.7 kg |
| Colour                                                 | Grey   |

## Environment

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-2                                |
| 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                     | 95 %                                                            |
| Operating Altitude                    | 0...2000 m without derating<br>2000 m...5000 m without derating |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 6.000 cm  |
| Package 1 Width              | 20.000 cm |
| Package 1 Length             | 33.000 cm |
| Package 1 Weight             | 1.110 kg  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|