Specifications



Circuit breaker basic frame, ComPacT NSX100B, 25kA at 415VAC 50/60 Hz, 100A, without trip unit, 3 poles

C10B3

#### Main

| Range                                                   | ComPacT                                                                                                                                                                                                                                              |  |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| product name                                            | ComPacT NSX                                                                                                                                                                                                                                          |  |
| Device short name                                       | NSX100B                                                                                                                                                                                                                                              |  |
| Product or component type                               | Basic frame                                                                                                                                                                                                                                          |  |
| Device application                                      | Distribution                                                                                                                                                                                                                                         |  |
| Poles description                                       | 3P                                                                                                                                                                                                                                                   |  |
| [In] rated current                                      | 100 A at 40 °C                                                                                                                                                                                                                                       |  |
| [Ue] rated operational voltage                          | 690 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                          |  |
| 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<br>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                                                                                                                                                                                                                                     |  |
| Control type                                            | Toggle                                                                                                                                                                                                                                               |  |
| Mounting mode                                           | Fixed                                                                                                                                                                                                                                                |  |

### Complementary

| [Ui] rated insulation voltage                       | 800 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                  |  |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| [Uimp] rated impulse withstand voltage              | 8 kV conforming to IEC 60947-2                                                                                                                                                                                                                               |  |
| [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 conforming to IEC 60947-2                                                                                                                                                                                                                       |  |
| Electrical durability                               | 10000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2<br>20000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>30000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |  |
| Mounting support                                    | Backplate                                                                                                                                                                                                                                                    |  |
| Upside connection                                   | Front                                                                                                                                                                                                                                                        |  |
| Downside connection                                 | Front                                                                                                                                                                                                                                                        |  |

Excluding VAT, FCA Jabal Ali & are subject to change - check with your local distributor.

| Connection pitch | 35 mm              |
|------------------|--------------------|
| Protection type  | Without protection |
| Width (W)        | 105 mm             |
| Height (H)       | 161 mm             |
| Depth (D)        | 86 mm              |

## Environment

| Standards                             | EN/IEC 60947-2<br>UL 60947-4-1 |  |
|---------------------------------------|--------------------------------|--|
| 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 | -2570 °C                       |  |
| Ambient air temperature for storage   | -5085 °C                       |  |

# **Packing Units**

| Unit Type of Package 1       | PCE        |
|------------------------------|------------|
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 14.000 cm  |
| Package 1 Width              | 11.200 cm  |
| Package 1 Length             | 19.200 cm  |
| Package 1 Weight             | 1.427 kg   |
| Unit Type of Package 2       | S03        |
| Number of Units in Package 2 | 7          |
| Package 2 Height             | 30.000 cm  |
| Package 2 Width              | 30.000 cm  |
| Package 2 Length             | 40.000 cm  |
| Package 2 Weight             | 10.376 kg  |
| Unit Type of Package 3       | P12        |
| Number of Units in Package 3 | 56         |
| Package 3 Height             | 42.500 cm  |
| Package 3 Width              | 80.000 cm  |
| Package 3 Length             | 120.000 cm |
| Package 3 Weight             | 96.000 kg  |

### Lenvironmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability  $\geq$ 

|  | Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 83                            |
|--|-------------------------------------------------------|-------------------------------|
|  | Environmental Disclosure                              | Product Environmental Profile |

#### **Use Better**

| ☺ Materials and Substances             |                                           |
|----------------------------------------|-------------------------------------------|
| Recycled metal content at CR level     | 0                                         |
| Packaging made with recycled cardboard | No                                        |
| Packaging without single use plastic   | No                                        |
| EU RoHS Directive                      | Compliant with Exemptions                 |
| SCIP Number                            | 206b752d-15ab-4228-8cd8-4e338f718b28      |
| REACh Regulation                       | REACh Declaration                         |
| Halogen content performance            | Product contains halogen above thresholds |
| PVC free                               | Yes                                       |

#### Use Again

| ${igvarrow}$ Repack and remanufacture |                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile                   | End of Life Information                                                                                                           |
| Take-back                             | No                                                                                                                                |
| WEEE                                  | The product must be disposed on European Union<br>markets following specific waste collection and never end<br>up in rubbish bins |