

## LV429004

circuit breaker Compact NSX100H - 100 A - 3 poles - without trip unit



### Main

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                  | Compact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Range of product                       | NSX100...250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product or component type              | Basic frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Device short name                      | Compact NSX100H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Device application                     | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Circuit breaker name                   | Compact NSX100H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Poles description                      | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network type                           | AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [In] rated current                     | 100 A ( 40 °C )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [Ue] rated operational voltage         | AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Breaking capacity code                 | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Breaking capacity                      | 10 kA at 600 V AC 50/60 Hz conforming to UL 508<br>65 kA at 480 V AC 50/60 Hz conforming to UL 508<br>85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | 660/690 V IEC 60947-2 conforming to IEC 60947-2<br>conforming to IEC 60947-2 conforming to IEC 60947-2<br>conforming to IEC 60947-2 conforming to IEC 60947-2<br>conforming to IEC 60947-2 AC AC AC 50/60 Hz 50/60 Hz<br>conforming to IEC 60947-2 50/60 Hz IEC 60947-2                                                                                                                                                                                                                                                                    |
| Suitability for isolation              | Yes conforming to EN 60947-2<br>Yes conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Utilisation category                   | Category A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Pollution degree                       | 3 conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### Complementary

|                       |                                                                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type          | Toggle                                                                                                                                                                                                                                                       |
| Mounting mode         | Fixed                                                                                                                                                                                                                                                        |
| Mounting support      | Backplate                                                                                                                                                                                                                                                    |
| Upside connection     | Front                                                                                                                                                                                                                                                        |
| Downside connection   | Front                                                                                                                                                                                                                                                        |
| Protection type       | Without protection                                                                                                                                                                                                                                           |
| 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 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                  |        |
|------------------|--------|
| Connection pitch | 35 mm  |
| Height           | 161 mm |
| Width            | 105 mm |
| Depth            | 86 mm  |

## Environment

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| standards                             | EN 60947-2<br>IEC 60947-2<br>UL 508 |
| product certifications                | CSA<br>UL                           |
| IP degree of protection               | IP40 conforming to IEC 60529        |
| IK degree of protection               | IK07 conforming to IEC 62262        |
| ambient air temperature for operation | -35...70 °C                         |
| ambient air temperature for storage   | -55...85 °C                         |

## Offer Sustainability

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0819 - Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                     |
| Product environmental profile    | Available                                                             |
| Product end of life instructions | Available                                                             |

## Contractual warranty

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