



### Main

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| Range                                  | Compact  |
| Product name                           | Compact NSX  |
| Product or component type              | Circuit breaker  |
| Device short name                      | Compact NSX100H  |
| Device application                     | Distribution   |
| Poles description                      | 3P   |
| Protected poles description            | 3t   |
| 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  |
| [Uimp] rated impulse withstand voltage | 8 kV   |
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz  |
| Breaking capacity code                 | H (70 kA) AC   |
| Breaking capacity                      | 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<br>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 |
| [Ics] rated service breaking capacity  | Ics 10 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 100 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 35 kA 525 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 50 kA 500 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 65 kA 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 70 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2  |
| Suitability for isolation              | Yes conforming to EN 60947-2<br>Yes conforming to IEC 60947-2  |

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|                                |  |
|--------------------------------|--|
| Utilisation category           | Category A   |
| Trip unit name                 | TM-D   |
| Trip unit technology           | Thermal-magnetic   |
| Trip unit protection functions | LI   |
| Trip unit rating               | 63 A ( 40 °C )   |
| Protection type                | Overload protection (thermal)<br>Short-circuit protection (magnetic) |
| Pollution degree               | 3 conforming to IEC 60664-1  |

## Complementary


|  |  |
|--|--|
| Control type   | Toggle   |
| Mounting mode  | Fixed  |
| Mounting support                                       | Backplate  |
| Upside connection                                      | Front  |
| Downside connection                                    | Front  |
| Auxiliary contact composition                          | Without  |
| Mechanical durability                                  | 50000 cycles   |
| Electrical durability                                  | 10000 cycles 690 V In conforming to IEC 60947-2<br>20000 cycles 690 V In/2 conforming to IEC 60947-2<br>30000 cycles 440 V In conforming to IEC 60947-2<br>50000 cycles 440 V In/2 conforming to IEC 60947-2 |
| Connection pitch                                       | 35 mm  |
| Local signalling                                       | Positive contact indication  |
| Long time pick-up adjustment type Ir                   | Adjustable   |
| Long time pick-up adjustment range                     | 0.7...1 x In   |
| Long time delay adjustment type                        | Fixed  |
| [Tr] long-time delay adjustment range                  | 15 s 6 x Ir<br>120...400 s 1.5 x In  |
| Short-time pick-up adjustment type I <sub>sd</sub>     | Fixed  |
| [I <sub>sd</sub> ] short-time pick-up adjustment range | 500 A  |
| Short-time delay adjustment type                       | Fixed  |
| Height   | 161 mm   |
| Width  | 105 mm   |
| Depth  | 86 mm  |
| Product weight   | 2.05 kg  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Overvoltage category                  | Class II                     |
| Electrical shock protection class     | Class II                     |
| Standards                             | EN/IEC 60947<br>UL 508       |
| Product certifications                | CCC<br>Marine<br>EAC         |
| 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<br><a href="#">Schneider Electric declaration of conformity</a> |

|                                  |   |
|----------------------------------|---|
| REACH                            | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold            |
| Product environmental profile    | Available<br> End of life manual |
| Product end of life instructions | Available   |
| <b>Contractual warranty</b>      |   |
| Warranty period                  | 18 months 12 months   |