



### Main

|  |  |
|--|--|
| Range                                  | Compact  |
| Product name                           | Compact NSX  |
| Product or component type              | Circuit breaker  |
| Device short name                      | Compact NSX250B  |
| Device application                     | Distribution   |
| Poles description                      | 4P   |
| Protected poles description            | 3t<br>3t + N/2<br>4t   |
| Neutral position                       | Left   |
| Network type                           | AC   |
| Network frequency                      | 50/60 Hz   |
| [In] rated current                     | 250 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                 | B (25 kA) AC   |
| Breaking capacity                      | 25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>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>40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | Ics 15 kA 500 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 20 kA 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 25 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 40 kA 220/240 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  |
| Utilisation category                   | Category A   |
| Trip unit name                         | Micrologic 2.2   |
| Trip unit technology                   | Electronic   |

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

|                                |  |
|--------------------------------|--|
| Trip unit protection functions | LSol   |
| Trip unit rating               | 250 A ( 40 °C )  |
| Protection type                | Overload protection (long time) L<br>Short time short-circuit protection with fixed delay So<br>Instantaneous short-circuit protection I |
| Pollution degree               | 3 conforming to IEC 60664-1  |

## Complementary

|   |   |
|---|---|
| Control type                              | Toggle  |
| Mounting mode                             | Fixed   |
| Mounting support                          | Backplate   |
| Upside connection                         | Front   |
| Downside connection                       | Front   |
| Mechanical durability                     | 20000 cycles  |
| Electrical durability                     | 10000 cycles 440 V In conforming to IEC 60947-2<br>10000 cycles 690 V In/2 conforming to IEC 60947-2<br>20000 cycles 440 V In/2 conforming to IEC 60947-2<br>5000 cycles 690 V In conforming to IEC 60947-2 |
| Connection pitch                          | 35 mm   |
| Local signalling                          | LED 105 % Ir<br>LED 90 % Ir<br>LED ready  |
| Neutral protection setting                | 0.5 x Ir 3t + N/2<br>1 x Ir 4t<br>No protection 3t  |
| Long time pick-up adjustment type Ir      | Adjustable 9 settings   |
| Long time pick-up adjustment range        | 0.9...1 x Io  |
| Long time delay adjustment type           | Fixed   |
| [Tr] long-time delay adjustment range     | 11 s 7.2 x Ir<br>16 s 6 x Ir<br>400 s 1.5 x Ir  |
| Thermal memory                            | 20 minutes before and after tripping  |
| Short-time pick-up adjustment type Isd    | Adjustable 9 settings   |
| [Isd] short-time pick-up adjustment range | 1.5...10 x Ir   |
| Short-time delay adjustment type          | Fixed   |
| Instantaneous pick-up adjustment type Ii  | Fixed   |
| Instantaneous pick-up adjustment range    | 3000 A  |
| Height                                    | 161 mm  |
| Width                                     | 140 mm  |
| Depth                                     | 86 mm   |
| Product weight                            | 2.8 kg  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Overvoltage category                  | Class II                     |
| Electrical shock protection class     | Class II                     |
| Standards                             | EN/IEC 60947                 |
| 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><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available   |
| Product end of life instructions | Available   |

## Contractual warranty

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