

# Product datasheet

Specifications



## Switch disconnecter ComPacT NSX250NA DC EP, 4 poles, fixed, 250A rating, 1500V

C254250D3S

### Main

|   |  |
|---|--|
| Range                                       | ComPacT  |
| Product name                                | ComPacT NSX DC EP                                  |
| Device short name                           | NSX250 DC EP                                       |
| Product or component type                   | Switch disconnecter                                |
| Device application                          | Photovoltaic<br>Marine application                 |
| Poles description                           | 4P   |
| [Ith] conventional free air thermal current | 250 A at 40 °C                                     |
| [Ie] rated operational current              | DC-22A: 250 A DC 1500 V<br>DC-PV2: 250 A DC 1500 V |
| [Ue] rated operational voltage              | 1500 V DC  |
| Network type                                | DC   |
| Suitability for isolation                   | Yes conforming to EN/IEC 60947-3                   |
| Utilisation category                        | DC-22A<br>DC-PV2                                   |
| Breaking capacity code                      | NA   |
| Contact position indicator                  | Yes  |
| Visible break                               | No   |
| Mounting mode                               | Fixed  |
| [Icw] rated short-time withstand current    | 3.5 kA during 1 s                                  |
| [Icm] rated short-circuit making capacity   | 3.5 kA switch-disconnector alone                   |
| Control type                                | Toggle   |
| [Ui] rated insulation voltage               | 1600 V DC  |
| [Uimp] rated impulse withstand voltage      | 8 kV   |

### Complementary

|                       |                          |
|-----------------------|--------------------------|
| Mounting support      | Backplate                |
| Upside connection     | Front                    |
| Downside connection   | Front                    |
| Connection pitch      | 35 mm                    |
| Mechanical durability | 10000 cycles             |
| Electrical durability | 4500 cycles 1500 V DC In |

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>Width (W)</b>              | 140 mm                           |
| <b>Height (H)</b>             | 161 mm                           |
| <b>Depth (D)</b>              | 86 mm                            |
| <b>Product weight</b>         | 2.8 kg                           |
| <b>Standards</b>              | EN/IEC 60947-1<br>EN/IEC 60947-3 |
| <b>Product certifications</b> | CE<br>CCC                        |

## Environment

|  |                              |
|--|------------------------------|
| <b>IP degree of protection</b>               | IP40 conforming to IEC 60529 |
| <b>IK degree of protection</b>               | IK07 conforming to IEC 62262 |
| <b>Electrical shock protection class</b>     | Class II                     |
| <b>Pollution degree</b>                      | 3 conforming to IEC 60664-1  |
| <b>Ambient air temperature for operation</b> | -25...70 °C                  |
| <b>Ambient air temperature for storage</b>   | -50...85 °C                  |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 13.500 cm |
| <b>Package 1 Width</b>              | 14.500 cm |
| <b>Package 1 Length</b>             | 19.000 cm |
| <b>Package 1 Weight</b>             | 2.570 kg  |
| <b>Unit Type of Package 2</b>       | S03       |
| <b>Number of Units in Package 2</b> | 4         |
| <b>Package 2 Height</b>             | 30.000 cm |
| <b>Package 2 Width</b>              | 30.000 cm |
| <b>Package 2 Length</b>             | 40.000 cm |
| <b>Package 2 Weight</b>             | 11.000 kg |

## Contractual warranty

|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 18 |
|-----------------------------|----|



## Environmental 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 >](#)



### Environmental footprint

|  |   |
|--|---|
| Total lifecycle Carbon footprint                       | 846 kg CO2 eq.                                |
| Carbon footprint of the manufacturing phase [A1 to A3] | 27 kg CO2 eq.                                 |
| Carbon footprint of the distribution phase [A4]        | 0.3 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 814 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 5 kg CO2 eq.                                  |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|  |   |
|--|---|
| Packaging made with recycled cardboard | Yes   |
| Packaging without single use plastic   | No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards |
| SCIP Number                            | 7e676517-3166-4d54-b299-1f404ce75f08  |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>  |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>  |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                                 |   |
|---------------------------------|---|
| Recyclability potential, in %   | 54  |
| End of life manual availability | <a href="#">End of Life Information</a>   |
| Take-back                       | No  |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Technical Illustration

Assembly's dimensions

---

