

# Product data sheet

Specifications



Circuit breaker, ComPact NSX250F, 36kA/415VAC, TMD trip unit 200A, 3 poles 3d

LV431631

! Discontinued on: Jun 15, 2023

! Discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

Important message: This product has been switched to new ComPacT range and is no longer commercialized.

## Main

Range	ComPact
Product name	ComPact NSX
Range of Product	ComPact NSX100...250
Device short name	NSX250F
Product or Component Type	Circuit breaker
Device Application	Distribution
Number of poles	3P
Protected poles description	3t
Line Rated Current	200 A 104 °F (40 °C)
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network Frequency	50/60 Hz
Suitability for isolation	Yes EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	85 kA 240 V AC 50/60 Hz UL 508 22 kA Icu 525 V AC 50/60 Hz IEC 60947-2 35 kA Icu 440 V AC 50/60 Hz IEC 60947-2 36 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 8 kA Icu 660/690 V AC 50/60 Hz IEC 60947-2 85 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2 35 kA 480 V AC 50/60 Hz UL 508 30 kA Icu 500 V AC 50/60 Hz IEC 60947-2 15 kA 600 V AC 50/60 Hz UL 508
Performance level	F 36 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	L1
Control Type	Toggle
Circuit breaker mounting mode	Fixed

## Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>[Ui<sub>imp</sub>] rated impulse withstand voltage</b>	8 kV
<b>[Ics] rated service short-circuit breaking capacity</b>	35 kA 440 V AC 50/60 Hz IEC 60947-2 36 kA 380/415 V AC 50/60 Hz IEC 60947-2 85 kA 220/240 V AC 50/60 Hz IEC 60947-2 22 kA 525 V AC 50/60 Hz IEC 60947-2 30 kA 500 V AC 50/60 Hz IEC 60947-2 8 kA 660/690 V AC 50/60 Hz IEC 60947-2
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	5000 cycles 690 V In 10000 cycles 690 V In/2 10000 cycles 440 V In 20000 cycles 440 V In/2
<b>Mounting Support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	1.4 in (35 mm)
<b>Protection type</b>	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
<b>Trip unit rating</b>	200 A 104 °F (40 °C)
<b>Long-time pick-up adjustment type I<sub>r</sub> (thermal protection)</b>	Adjustable
<b>[I<sub>r</sub>] long-time protection pick-up adjustment range</b>	0.7...1 x In
<b>Long-time protection delay adjustment type t<sub>r</sub></b>	Fixed
<b>[t<sub>r</sub>] long-time protection delay adjustment range</b>	120...400 s 1.5 x In 15 s 6 x I <sub>r</sub>
<b>Short-time protection pick-up adjustment type I<sub>sd</sub></b>	Adjustable
<b>[I<sub>sd</sub>] Short-time protection pick-up adjustment range</b>	5...10 x In
<b>Short-time protection delay adjustment type t<sub>sd</sub></b>	Fixed
<b>Earth-leakage protection</b>	Without
<b>Number of slots for electrical auxiliaries</b>	5
<b>Width (W)</b>	4.1 in (105 mm)
<b>Height (H)</b>	6.3 in (161 mm)
<b>Depth (D)</b>	3.4 in (86 mm)
<b>Net Weight</b>	5.3 lb(US) (2.4 kg)

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Product Certifications</b>	Marine CCC EAC
<b>Overvoltage category</b>	Class II
<b>Electrical shock protection class</b>	Class II
<b>Pollution degree</b>	3 IEC 60664-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Ambient air temperature for operation</b>	-13...158 °F (-25...70 °C)

Ambient Air Temperature for Storage	-58...185 °F (-50...85 °C)
Relative humidity	0...95 %
Operating altitude	0...6561.68 ft (0...2000 m) without derating 2000 m...5000 m with derating

## Ordering and shipping details

Category	US10DE201101
Discount Schedule	0DE2
GTIN	3606480014192
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.5 in (14 cm)
Package 1 Width	4.5 in (11.5 cm)
Package 1 Length	7.5 in (19 cm)
Package weight(Lbs)	4.416 lb(US) (2.003 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Height	11.8 in (30 cm)
Package 2 Width	15.7 in (40 cm)
Package 2 Length	23.6 in (60 cm)
Package 2 Weight	54.679 lb(US) (24.802 kg)

## Contractual warranty

Warranty	18 months
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## 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

Carbon footprint (kg CO2 eq, Total Life cycle)	629
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better

### Materials and Substances

<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	3874e08b-fcb8-4aa9-87c4-d36abebf2833
California proposition 65	<p>WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a></p>

## Use Again

### Repack and remanufacture

Circularity Profile	<a href="#">End of Life Information</a>
WEEE Label	<p> The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.</p>