Product data sheet

Specifications



Discontinued

Circuit breaker, ComPact NSX250F, 36kA/415VAC, TMD trip unit 250A, 3 poles 3d

LV431630

Discontinued on: Jun 15, 2023

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	250 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	LI
Control Type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	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
Mechanical durability	20000 cycles
Electrical durability	5000 cycles 690 V In 10000 cycles 690 V In/2 10000 cycles 440 V In 20000 cycles 440 V In/2
Mounting Support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	1.4 in (35 mm)
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	250 A 104 °F (40 °C)
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x In
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	120…400 s 1.5 x In 15 s 6 x Ir
Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	5...10 x In
Short-time protection delay adjustment type tsd	Fixed
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	5
Width (W)	4.1 in (105 mm)
Height (H)	6.3 in (161 mm)
Depth (D)	3.4 in (86 mm)
Net Weight	5.3 lb(US) (2.4 kg)

Environment

Standards	EN/IEC 60947
Product Certifications	CCC Marine EAC
Overvoltage category	Class II
Electrical shock protection class	Class II
Pollution degree	3 IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient Air Temperature for Operation	-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	3606480014185
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.5 in (13.9 cm)
Package 1 Width	4.5 in (11.4 cm)
Package 1 Length	7.7 in (19.5 cm)
Package weight(Lbs)	4.422 lb(US) (2.006 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	54.441 lb(US) (24.694 kg)

Contractual warranty

Warranty (in months)	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	**762 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**9 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.5 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**752 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

SCIP Number	**7d6c5323-3b71-4333-a113-9289f60c74a5**
EU RoHS Directive	Compliant By Exemption
California proposition 65	**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 www.P65Warnings.ca.gov**

Use Again

Repack and remanufacture

Recyclability potential, in %	**52**
Circularity Profile	End of Life Information
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**