



## 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
[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	1.38 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)	4.13 in (105 mm)
Height (H)	6.34 in (161 mm)
Depth (D)	3.39 in (86 mm)
Net Weight	5.29 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 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	01101-NF...E COMPACT NS IEC CIRCUIT BREAKERS, SWITCHES & MCP'S
Discount Schedule	DE2
GTIN	3606480014185
Returnability	No
Country of origin	PL

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.47 in (13.9 cm)
Package 1 Width	4.49 in (11.4 cm)
Package 1 Length	7.68 in (19.5 cm)
Package 1 Weight	4.42 lb(US) (2.006 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Height	11.81 in (30 cm)
Package 2 Width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Package 2 Weight	54.44 lb(US) (24.694 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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