

# Product data sheet

Specifications



## Circuit breaker, ComPact NSX100B, 25kA/415VAC, TMD trip unit 25A, 3 poles 3d

LV429556

! Discontinued on: 31 March 2022

! To be discontinued

**Price\* : 731.00 USD**

### Main

Range	ComPact
Product name	ComPact NSX
Range of Product	ComPact NSX100...250
Device short name	NSX100B
Product or Component Type	Circuit breaker
Device Application	Distribution
Number of poles	3P
Protected poles description	3t
Line Rated Current	25 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	15 kA Icu 500 V AC 50/60 Hz IEC 60947-2 20 kA Icu 440 V AC 50/60 Hz IEC 60947-2 25 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 40 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2
Performance level	B 25 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

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

<b>[Ics] rated service short-circuit breaking capacity</b>	20 kA 440 V AC 50/60 Hz IEC 60947-2 25 kA 380/415 V AC 50/60 Hz IEC 60947-2 40 kA 220/240 V AC 50/60 Hz IEC 60947-2 7.5 kA 500 V AC 50/60 Hz IEC 60947-2
<b>Mechanical durability</b>	50000 cycles
<b>Electrical durability</b>	10000 cycles 690 V In 20000 cycles 690 V In/2 30000 cycles 440 V In 50000 cycles 440 V In/2
<b>Mounting Support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	1.38 in (35 mm)
<b>Protection type</b>	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
<b>Trip unit rating</b>	25 A 104 °F (40 °C)
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Adjustable
<b>[Ir] long-time protection pick-up adjustment range</b>	0.7...1 x In
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>[Tr] long-time protection delay adjustment range</b>	120...400 s 1.5 x In 15 s 6 x Ir
<b>Short-time protection pick-up adjustment type Isd</b>	Fixed
<b>[Isd] Short-time protection pick-up adjustment range</b>	300 A
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<b>Earth-leakage protection</b>	Without
<b>Number of slots for electrical auxiliaries</b>	5
<b>Width (W)</b>	4.13 in (105 mm)
<b>Height (H)</b>	6.34 in (161 mm)
<b>Depth (D)</b>	3.39 in (86 mm)
<b>Net Weight</b>	4.52 lb(US) (2.05 kg)

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Product Certifications</b>	CCC EAC Marine
<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 IEC 62262
<b>Ambient air temperature for operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient Air Temperature for Storage</b>	-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	3606480008498
Returnability	No
Country of origin	PL

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.53 in (11.5 cm)
Package 1 Width	5.51 in (14.0 cm)
Package 1 Length	7.68 in (19.5 cm)
Package 1 Weight	4.01 lb(US) (1.819 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	33.01 lb(US) (14.971 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - <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> Product out of China RoHS scope. Substance declaration for your information.
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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## Recommended replacement(s)