

# Product data sheet

Specifications



## Circuit breaker, ComPact NSX160F, 36kA/415VAC, TMD trip unit 125A, 3 poles 3d

LV430631

! Discontinued on: 31 March 2022

! To be discontinued

Product availability : Stock - Normally stocked in distribution facility

Price\* : 2,077.00 USD

### Main

Range	ComPact
Product name	ComPact NSX
Range of Product	ComPact NSX100...250
Device short name	NSX160F
Product or Component Type	Circuit breaker
Device Application	Distribution
Number of poles	3P
Protected poles description	3t
Line Rated Current	125 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	10 kA 600 V AC 50/60 Hz UL 508 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
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

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

## Complementary

<b>[Ui] rated insulation voltage</b>	800 V AC 50/60 Hz
<b>[Uimp] 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>	40000 cycles
<b>Electrical durability</b>	7500 cycles 690 V In 15000 cycles 690 V In/2 20000 cycles 440 V In 40000 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>	125 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>	1250 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>	4.85 lb(US) (2.2 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

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	3606480011344
Returnability	No
Country of origin	PL

## Packing Units

Unit Type of Package 1	Db
Number of Units in Package 1	1
Package 1 Height	5.43 in (13.8 cm)
Package 1 Width	4.53 in (11.5 cm)
Package 1 Length	7.56 in (19.2 cm)
Package 1 Weight	4.01 lb(US) (1.817 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	49.89 lb(US) (22.63 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>
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>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

# Contractual warranty

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Warranty 18 months

Recommended replacement(s)