

# Product data sheet

Specifications



Circuit breaker, ComPact NSX630H, 70kA/415VAC, MicroLogic 2.3 trip unit 630A, 3 poles 3d

LV432895

! 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 NSX400...630
Device short name	NSX630H
Product or Component Type	Circuit breaker
Device Application	Distribution
Number of poles	3P
Protected poles description	3t
Line Rated Current	630 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 65 kA 480 V AC 50/60 Hz UL 508 100 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2 35 kA Icu 525 V AC 50/60 Hz IEC 60947-2 50 kA Icu 500 V AC 50/60 Hz IEC 60947-2 65 kA Icu 440 V AC 50/60 Hz IEC 60947-2 70 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 20 kA 600 V AC 50/60 Hz UL 508 20 kA Icu 660/690 V AC 50/60 Hz IEC 60947-2
Performance level	H 70 kA 415 V AC
Trip unit name	MicroLogic 2.3
Trip unit technology	Electronic
Trip unit protection functions	LSol
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>[Uimp] rated impulse withstand voltage</b>	8 kV
<b>[Ics] rated service short-circuit breaking capacity</b>	11 kA 525 V AC 50/60 Hz IEC 60947-2 10 kA 660/690 V AC 50/60 Hz IEC 60947-2 100 kA 220/240 V AC 50/60 Hz IEC 60947-2 50 kA 500 V AC 50/60 Hz IEC 60947-2 65 kA 440 V AC 50/60 Hz IEC 60947-2 70 kA 380/415 V AC 50/60 Hz IEC 60947-2
<b>Mechanical durability</b>	15000 cycles
<b>Electrical durability</b>	2000 cycles 690 V In 6000 cycles 690 V In/2 4000 cycles 440 V In 8000 cycles 440 V In/2
<b>Mounting Support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	1.8 in (45 mm)
<b>Protection type</b>	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
<b>Trip unit rating</b>	630 A 104 °F (40 °C)
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Adjustable 9 settings
<b>[Ir] long-time protection pick-up adjustment range</b>	250...630 A
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>[tr] long-time protection delay adjustment range</b>	16 s 6 x Ir
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type lsd</b>	Adjustable 9 settings
<b>[lsd] Short-time protection pick-up adjustment range</b>	1.5...10 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<b>Instantaneous protection pick-up adjustment type li</b>	Fixed
<b>[li] instantaneous protection pick-up adjustment range</b>	6900 A
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	Without
<b>Number of slots for electrical auxiliaries</b>	6
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
<b>Width (W)</b>	5.5 in (140 mm)
<b>Height (H)</b>	10.04 in (255 mm)
<b>Depth (D)</b>	4.3 in (110 mm)
<b>Net Weight</b>	13.7 lb(US) (6.2 kg)

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Product Certifications</b>	CCC EAC Marine

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	ODE2
GTIN	3606480015519
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.9 in (15.0 cm)
Package 1 Width	6.3 in (16.0 cm)
Package 1 Length	11.4 in (29.0 cm)
Package weight(Lbs)	12.723 lb(US) (5.771 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	15.7 in (40.0 cm)
Package 2 Length	23.6 in (60.0 cm)
Package 2 Weight	39.857 lb(US) (18.079 kg)

## Contractual warranty

Warranty	18 months
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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)	<b>1624</b>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Use Better

#### Materials and Substances

<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	25ca3248-85d0-423a-a9d8-5b7aeb52e7b6
California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Use Again

#### Repack and remanufacture

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