

Product data sheet

Specifications



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

LV432895

! Discontinued

! 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 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

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

[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ics] Rated Service Short-Circuit Breaking Capacity	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
Mechanical Durability	15000 cycles
Electrical Durability	2000 cycles 690 V In 6000 cycles 690 V In/2 4000 cycles 440 V In 8000 cycles 440 V In/2
Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	1.77 in (45 mm)
Protection Type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
Trip Unit Rating	630 A 104 °F (40 °C)
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	250...630 A
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	16 s 6 x Ir
Thermal Memory	20 minutes before and after tripping
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable 9 settings
[Isd] Short-Time Protection Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Protection Delay Adjustment Type Tsd	Fixed
Instantaneous Protection Pick-Up Adjustment Type Ii	Fixed
[Ii] Instantaneous Protection Pick-Up Adjustment Range	6900 A
Earth-Leakage Protection	Without
Zone Selective Interlocking Zsi	Without
Number Of Slots For Electrical Auxiliaries	6
Local Signalling	for ready to operate flashing LED (green) for overload LED 105 % Ir (red) for overload LED 90 % Ir (orange)
Width (W)	5.51 in (140 mm)
Height (H)	10.04 in (255 mm)
Depth (D)	4.33 in (110 mm)
Net Weight	13.67 lb(US) (6.2 kg)

Environment

Standards	EN/IEC 60947
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Product Certifications	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	0DE2
Gtin	3606480015519
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.91 in (15.0 cm)
Package 1 Width	6.30 in (16.0 cm)
Package 1 Length	11.42 in (29.0 cm)
Package 1 Weight	12.72 lb(US) (5.771 kg)
Unit Type Of Package 2	S04
Number Of Units In Package 2	3
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.75 in (40.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	39.86 lb(US) (18.079 kg)

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov