

Product data sheet

Specifications



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

C63H32D630

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX630H
Product or Component Type	Circuit breaker
Device Application	Distribution
Poles description	3P
Protected poles description	3D
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
Breaking capacity	100 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2 70 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 65 kA Icu 440 V AC 50/60 Hz IEC 60947-2 50 kA Icu 500 V AC 50/60 Hz IEC 60947-2 35 kA Icu 525 V AC 50/60 Hz IEC 60947-2 20 kA Icu 660/690 V AC 50/60 Hz IEC 60947-2 85 kA Icu 240 V AC 50/60 Hz UL 60947-4-1 65 kA Icu 480 V AC 50/60 Hz UL 60947-4-1 20 kA Icu 600 V AC 50/60 Hz UL 60947-4-1
Breaking capacity code	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
[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.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Ics] rated service breaking capacity	100 kA 220/240 V AC 50/60 Hz IEC 60947-2 70 kA 380/415 V AC 50/60 Hz IEC 60947-2 65 kA 440 V AC 50/60 Hz IEC 60947-2 50 kA 500 V AC 50/60 Hz IEC 60947-2 11 kA 525 V AC 50/60 Hz IEC 60947-2 10 kA 660/690 V AC 50/60 Hz IEC 60947-2
Mechanical durability	15000 cycles
Electrical durability	8000 cycles 440 V In/2 4000 cycles 440 V In 6000 cycles 690 V In/2 2000 cycles 690 V In
Power dissipation per pole	39.7 W
Mounting Support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection pitch	1.8 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 delay adjustment range	400 s 1.5 x Ir 16 s 6 x Ir 11 s 7.2 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	6
Local signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Width (W)	5.5 in (140 mm)
Height (H)	10.04 in (255 mm)
Depth (D)	4.3 in (110 mm)
Net Weight	13.7 lb(US) (6.2 kg)

Environment

Standards	EN/IEC 60947-2
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Overvoltage category	III
Electrical shock protection class	Class II front face
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	3606482002791
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.906 in (15.000 cm)
Package 1 Width	6.102 in (15.500 cm)
Package 1 Length	11.417 in (29.000 cm)
Package weight(Lbs)	12.571 lb(US) (5.702 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	26.683 lb(US) (12.103 kg)

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)	691
Environmental Disclosure	Product Environmental Profile
Use Better	
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen content performance	Product contains halogen above thresholds
PVC free	Yes
Silicon free	No
Use Longer	
Lifetime extension	
Upgradeability	No
Use Again	
Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



ComPacT NSX Range Accessories



Wireless auxiliary contact



Short terminal shield



Interphase barriers



Long terminal shield



Rotary handles



Standard auxiliary contact



MN undervoltage release



MX shunt release



Standard motor mechanism module

Offer Marketing Illustration

Product benefits / Features



ComPacT NSX

Technical Benefits

- Nominal current: 16 to 630 A and 9 breaking capacities for the 2 sizes of circuit breakers
- 1, 2, 3, and 4 pole versions available
- Large range of electronic and thermal-magnetic protections
- Plug and ready wiring system and communicating accessories
- Integrated earth leakage protection via MicroLogic Vigi (earth leakage circuit breaker - ELCB)
- Advanced trip unit with integrated power metering: I, U, P, E, THD, f, CosPhi

Offer Marketing Illustration

Product benefits / Features

ComPacT NSX

Moulded Case Circuit Breaker



Protection begins with prevention

Designed to prevent an electrical fire through integrated earth leakage protection with preventive maintenance thanks to its Everlink power connections.



Maximize power availability

By providing corrective, preventive, and predictive maintenance for asset management thanks to our advanced MicroLogic trip units.



Connectivity

Designed to connect to EcoStruxure Power, an IoT-connected architecture for improving every aspect of your power distribution system.

