Product data sheet

Specifications



Discontinued

Circuit breaker, ComPact NSX630F, 36kA/415VAC, MicroLogic 2.3 trip unit 630A, 3 poles 3d

LV432876

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	NSX630F
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	40 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2 85 kA 240 V AC 50/60 Hz UL 508 25 kA Icu 500 V AC 50/60 Hz IEC 60947-2 36 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 10 kA Icu 660/690 V AC 50/60 Hz IEC 60947-2 35 kA 480 V AC 50/60 Hz UL 508 20 kA 600 V AC 50/60 Hz UL 508 20 kA Icu 525 V AC 50/60 Hz IEC 60947-2 30 kA Icu 440 V AC 50/60 Hz IEC 60947-2
Performance level	F 36 kA 415 V AC
Trip unit name	MicroLogic 2.3
Trip unit technology	Electronic
Trip unit protection functions	LSoI
Control Type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz

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

[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	40 kA 220/240 V AC 50/60 Hz IEC 60947-2 36 kA 380/415 V AC 50/60 Hz IEC 60947-2 10 kA 660/690 V AC 50/60 Hz IEC 60947-2 10 kA 525 V AC 50/60 Hz IEC 60947-2 25 kA 500 V AC 50/60 Hz IEC 60947-2 30 kA 440 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	1.8 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 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	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
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	3606480015465
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	11.4 in (29.0 cm)
Package 1 Width	5.9 in (15.0 cm)
Package 1 Length	6.1 in (15.6 cm)
Package weight(Lbs)	12.54 lb(US) (5.69 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	39.428 lb(US) (17.884 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

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)	1624

Use Better

Materials and Substances

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

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.