Product data sheet
Characteristics

LV432808
Circuit breaker basic frame, ComPact NSX630N, 50kA at 415VAC 50/60 Hz, 630A, without trip unit, 4 poles

Main

Range	ComPact
Range of Product	ComPact NSX400...630
Device short name	NSX630N
Product or Component Type	Basic frame
Device Application	Distribution
Circuit breaker name	Compact NSX630N
Number of poles	4P
Neutral position	Left
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 22 KA Icu 525 V AC 50/60 Hz IEC 60947-2 85 KA Icu 220/240 V AC 50/60 Hz IEC 60947-2 10 KA Icu 660/690 V AC 50/60 Hz IEC 60947-2 50 KA 480 V AC 50/60 Hz UL 508 50 KA Icu 380/415 V AC 50/60 Hz IEC 60947-2 30 KA Icu 500 V AC 50/60 Hz IEC 60947-2 20 KA 600 V AC 50/60 Hz UL 508 42 kA Icu 440 V AC 50/60 Hz IEC 60947-2
Performance level	N 50 kA 415 V AC
Control type	Toggle
Mounting Mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kVIEC 60947-2
[Ics] rated service short-circuit breaking capacity	11 KA 525 V AC 50/60 Hz IEC 60947-2 85 KA 220/240 V AC 50/60 Hz IEC 60947-2 10 KA 660/690 V AC 50/60 Hz IEC 60947-2 50 KA 380/415 V AC 50/60 Hz IEC 60947-2 30 KA 500 V AC 50/60 Hz IEC 60947-2 42 kA 440 V AC 50/60 Hz IEC 60947-2
Mechanical durability	15000 cycles IEC 60947-2
Electrical durability	6000 Cycles 690 V AC 50/60 Hz In/2 IEC 60947-2 2000 Cycles 690 V AC 50/60 Hz In IEC 60947-2 4000 Cycles 440 V AC 50/60 Hz In IEC 60947-2 8000 cycles 440 V AC 50/60 Hz In/2 IEC 60947-2
Mounting Support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	1.77 in (45 mm)
Protection Type	Without protection
Width (W)	7.28 in (185 mm)
Height (H)	10.04 in (255 mm)
Depth (D)	4.33 in (110 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Standards	EN/IEC 60947-2 UL 508
Product Certifications	CSA[RETURN]UL
Pollution degree	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)

Ordering and shipping details

Category	01101-NF..E COMPACT NS IEC CIRCUIT BREAKERS, SWITCHES & MCP'S
Discount Schedule	DE2
GTIN	3606480007026
Returnability	No
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.10 in (15.5 cm)
Package 1 Width	7.95 in (20.2 cm)
Package 1 Length	11.81 in (30.0 cm)
Package 1 Weight	13.45 lb(US) (6.1 kg)
Unit Type of Package 2	P12
Number of Units in Package 2	28
Package 2 Height	19.69 in (50.0 cm)
Package 2 Width	31.50 in (80.0 cm)
Package 2 Length	47.24 in (120.0 cm)
Package 2 Weight	396.83 lb(US) (180.0 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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months