



circuit breaker Compact NSX630F, 36 kA at 415 VAC, Micrologic 1.3 M trip unit 500 A, 3 poles 3d

LV432948

! Discontinued on: 31-Dec-2022

(!) Discontinued

Main

Range	ComPact	
Product Name	ComPact NSX	
Range Of Product	ComPact NSX400630	
Device Short Name	NSX630F	
Product Or Component Type	Circuit breaker	
Device Application	Motor	
Number Of Poles	3P	
Protected Poles Description	3t	
[In] Rated Current	500 A at 65 °C	
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz	
Network Type	AC	
Network Frequency	50/60 Hz	
Suitability For Isolation	Yes conforming to EN/IEC 60947-2	
Utilisation Category	Category A	
[Icu] Rated Ultimate Short-Circuit Breaking Capacity	40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 240 V AC 50/60 Hz conforming to UL 508 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 480 V AC 50/60 Hz conforming to UL 508 20 kA at 600 V AC 50/60 Hz conforming to UL 508 20 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2	
Performance Level	F 36 kA 415 V AC	
Trip Unit Name	MicroLogic 1.3 M	
Trip Unit Technology	Electronic	
Trip Unit Protection Functions	1	
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

[Ics] Rated Service Short-Circuit	40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Breaking Capacity	36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
	10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
	10 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2
	25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
	30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	15000 cycles
Electrical Durability	2000 cycles at 690 V In
	6000 cycles at 690 V In/2
	4000 cycles at 440 V In
	8000 cycles at 440 V In/2
Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	45 mm
Protection Type	I : for short-circuit protection (magnetic)
Trip Unit Rating	500 A at 65 °C
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable 9 settings
[Isd] Short-Time Protection Pick-	6500 A
Up Adjustment Range	6000 A
	4500 A
	5500 A
	3500 A
	2500 A
	3000 A
	4000 A
	5000 A
	5000 A
Short-Time Protection Delay Adjustment Type Tsd	Fixed
Instantaneous Protection Pick-Up Adjustment Type Ii	Fixed
[li] Instantaneous Protection Pick- Up Adjustment Range	6500 A
Earth-Leakage Protection	Without
Zone Selective Interlocking Zsi	Without
Number Of Slots For Electrical Auxiliaries	6 slot(s)
Local Signalling	Flashing LED (green) for ready to operate
Width (W)	140 mm
Height (H)	255 mm
Depth (D)	110 mm
Net Weight	6.2 kg

Environment

Standards	EN/IEC 60947	
Product Certifications	CCC EAC Marine	
Overvoltage Category	Class II	
Electrical Shock Protection Class	G Class II	
Pollution Degree	3 conforming to 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	-2570 °C
Ambient Air Temperature For Storage	-5085 °C
Relative Humidity	095 %
Operating Altitude	02000 m without derating 2000 m5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	16.600 cm
Package 1 Width	23.500 cm
Package 1 Length	31.500 cm
Package 1 Weight	5.796 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	3
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	19.357 kg

Contractual warranty

Warranty 18 months

Sustainability Green Premium

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

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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