



## Main

Range	ComPact
Product name	ComPact NSX
Range of product	ComPact NSX400...630
Device short name	NSX630N
Product or component type	Circuit breaker
Device application	Motor
Poles description	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
Breaking capacity	85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 KA Icu at 220/240 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 30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 KA at 600 V AC 50/60 Hz conforming to UL 508 50 KA at 480 V AC 50/60 Hz conforming to UL 508 50 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N 50 kA 415 V AC
Trip unit name	Micrologic 1.3 M
Trip unit technology	Electronic
Trip unit protection functions	I
Control type	Toggle
Mounting mode	Fixed

## Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service breaking capacity	11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 220/240 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 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 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 pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	2500 A 4000 A 5500 A 6500 A 4500 A 3500 A 5000 A 3000 A 6000 A
Short-time delay adjustment type	Fixed
Instantaneous pick-up adjustment type li	Fixed
Instantaneous pick-up adjustment range	6500 A
Earth-leakage protection	Without
Number of slots	6 slot(s)
Local signalling	Flashing LED (green) for ready to operate
Width	140 mm
Height	255 mm
Depth	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	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	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Relative humidity	0...95 %
Operating altitude	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	5.759 Kg
Package 1 Height	15.2 Cm
Package 1 width	15.3 Cm
Package 1 Length	29 Cm
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Weight	18.1 Kg
Package 2 Height	30 Cm
Package 2 width	40 Cm
Package 2 Length	60 Cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
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
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Product Life Status : **Commercialised**