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## Main

Range	Compact
Product name	Compact NSX
Device short name	Compact NSX630F
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4t 3t 3t + N/2
Neutral position	Left
[In] rated current	630 A at 40 °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 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
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
Breaking capacity code	F 36 kA 415 V AC
Trip unit name	Micrologic 2.3
Trip unit technology	Electronic
Trip unit protection functions	LSol
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	40 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 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	6000 Cycles 690 V In/2 conforming to IEC 60947-2 2000 Cycles 690 V In conforming to IEC 60947-2 4000 Cycles 440 V In conforming to IEC 60947-2 8000 Cycles 440 V In/2 conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	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 at 40 °C
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.9...1 x Io
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	16 S at 6 x Ir
Thermal memory	20 minutes before and after tripping

Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Fixed
Instantaneous pick-up adjustment type li	Fixed
Instantaneous pick-up adjustment range	6900 A
Neutral protection setting	0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t)
Auxiliary contact composition	Without
Local signalling	LED 105 % Ir LED 90 % Ir LED ready
Width	185 Mm
Height	255 Mm
Depth	110 Mm
Net weight	8.13 Kg

## Environment

Standards	EN/IEC 60947 UL 508
Product certifications	Marine EAC CCC
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	-35...70 °C
Ambient air temperature for storage	-55...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	7.493 Kg
Package 1 Height	15 Cm
Package 1 width	20 Cm
Package 1 Length	29 Cm
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Weight	24.013 Kg
Package 2 Height	30 Cm
Package 2 width	40 Cm
Package 2 Length	60 Cm

## Offer Sustainability

Sustainable offer status	Green Premium product
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
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