



## Main

Range	Compact
Product name	Compact NSX
Device short name	Compact NSX100F
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	3t
Neutral position	Left
[In] rated current	100 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	10 KA at 600 V AC 50/60 Hz conforming to UL 508 25 KA at 480 V AC 50/60 Hz conforming to UL 508 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 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 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 8 KA Icu at 660/690 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
Breaking capacity code	F 36 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
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 35 KA at 440 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 4 KA at 660/690 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 12.5 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	50000 Cycles
Electrical durability	10000 Cycles 690 V In conforming to IEC 60947-2 20000 Cycles 690 V In/2 conforming to IEC 60947-2 30000 Cycles 440 V In conforming to IEC 60947-2 50000 Cycles 440 V In/2 conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 Mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	100 A at 40 °C
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	120...400 S at 1.5 x In 15 S at 6 x Ir
Short-time pick-up adjustment type I <sub>sd</sub>	Fixed
[I <sub>sd</sub> ] short-time pick-up adjustment range	800 A
Short-time delay adjustment type	Fixed
Neutral protection setting	No protection (3t)
Auxiliary contact composition	Without
Local signalling	Positive contact indication
Width	140 Mm
Height	161 Mm
Depth	86 Mm
Net weight	2.4 Kg

## Environment

Standards	EN/IEC 60947 UL 508
Product certifications	EAC CCC 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	-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	2.326 Kg
Package 1 Height	14.2 Cm
Package 1 width	15.2 Cm
Package 1 Length	19 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 : <b>Commercialised</b>
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