



### Main

Range	ComPact
Product name	ComPact NSX
Range of product	ComPact NSX100...250 DC ComPact NSX100...250
Device short name	NSX160M
Product or component type	Circuit breaker
Device application	Distribution
Number of poles	2P
Protected poles description	2t
[In] rated current	160 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz 500 V DC
Network type	DC 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	8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 18 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 380/415 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 85 KA Icu at 250 V DC 1 pole conforming to IEC 60947-2 85 KA Icu at 500 V DC 2 poles in series conforming to IEC 60947-2
Performance level	M 25 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Control type	Toggle
Circuit breaker mounting mode	Fixed

### Complementary

[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	8 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 KA at 250 V DC conforming to IEC 60947-2 85 KA at 125 V DC conforming to IEC 60947-2 85 KA at 500 V DC conforming to IEC 60947-2 18 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 380/415 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
Mechanical durability	40000 cycles
Electrical durability	5000 Cycles at 440 V In 10000 cycles at 440 V In/2

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Protection type	For overload protection (thermal) For short-circuit protection (magnetic)
Trip unit rating	160 A at 40 °C
Long-time pick-up adjustment type I <sub>r</sub> (thermal protection)	Fixed
[I <sub>r</sub> ] long-time protection pick-up adjustment range	1 I <sub>n</sub>
Long-time protection delay adjustment type t <sub>r</sub>	Fixed
[I <sub>m</sub> ] magnetic protection pick-up range	1250 A
Earth-leakage protection	Without
Width (W)	70 mm
Height (H)	161 mm
Depth (D)	86 mm

## 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	1.288 kg
Package 1 Height	8 cm
Package 1 width	13 cm
Package 1 Length	17.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Weight	15.943 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 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>

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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

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**Contractual warranty**

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Warranty	18 months
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