LV429554

circuit breaker ComPact NSX100B, 25 kA at 415 VAC, TMD trip unit 40 A, 3 poles 3d





Main

Product name ComPact NSX Range of product ComPact NSX100250 Device short name NSX100B Product or component type Circuit breaker Poles description Distribution Poles description [In] rated current 40 A at 40 °C [Ue] rated operational voltage 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 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 40 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 40 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 40 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker mounting mode	Range	ComPact
Device short name Product or component type Device application Poles description Protected poles description I[In] rated current I[In] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category I[Icu] rated ultimate short-circuit breaking capacity AC Separation Separation Control type Device application Distribution Distribution Distribution Distribution AP Distri	Product name	ComPact NSX
Product or component type Device application Distribution Poles description Protected poles description [In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity AC Suitability Suitability Device application Control type Circuit breaker Distribution Distribution Distribution Distribution AP AC At 40 °C 690 V AC 50/60 Hz Sol60 Hz S	Range of product	ComPact NSX100250
type Device application Poles description Protected poles description [In] rated current In] rated operational voltage Network type AC Network frequency Suitability for isolation Ves conforming to EN/IEC 60947-2 Utilisation category Category A Icual rated ultimate short-circuit breaking capacity Capacity Category A In K Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 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 40 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Tis unit protection functions	Device short name	NSX100B
Poles description Protected poles description [In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity Performance level Performance level Trip unit technology Protected poles at 440 V AC 50/60 Hz AC Network frequency 50/60 Hz Sol/60 Hz Sol/60 Hz Category A 15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit protection functions Control type Toggle Circuit breaker Trip Trip Unit protection functions Trip Unit protection Fixed	•	Circuit breaker
Protected poles description [In] rated current	Device application	Distribution
In rated current 40 A at 40 °C	Poles description	3P
[Ue] rated operational voltage 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 20 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed		3t
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 20 KA Icu at 500 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	[In] rated current	40 A at 40 °C
Network frequency Suitability for isolation Ves conforming to EN/IEC 60947-2 Utilisation category [Icu] rated ultimate short-circuit breaking capacity 15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed		690 V AC 50/60 Hz
Suitability for isolation Yes conforming to EN/IEC 60947-2 Utilisation category [Icu] rated ultimate short-circuit breaking capacity Category A In Section 15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Tixed	Network type	AC
Utilisation category [Icu] rated ultimate short-circuit breaking capacity 15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Tissed	Network frequency	50/60 Hz
[Icu] rated ultimate short-circuit breaking capacity 15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Suitability for isolation	Yes conforming to EN/IEC 60947-2
short-circuit breaking capacity 60947-2 20 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level B 25 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Utilisation category	Category A
Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection LI functions Control type Toggle Circuit breaker Fixed	short-circuit breaking capacity	60947-2 20 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 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Performance level	B 25 kA 415 V AC
Trip unit protection functions Control type Toggle Circuit breaker Fixed	Trip unit name	TM-D
functions Control type Toggle Circuit breaker Fixed	Trip unit technology	Thermal-magnetic
Circuit breaker Fixed		Ц
	Control type	Toggle
		Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[lcs] rated service short-circuit breaking capacity	20 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 40 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	50000 cycles
Electrical durability	10000 Cycles at 690 V In 20000 Cycles at 690 V In/2 30000 Cycles at 440 V In 50000 cycles at 440 V In/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	40 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.71 x ln
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	120400 S at 1.5 x ln 15 s at 6 x lr
Short-time protection pick-up adjustment type Isd	Fixed
[Isd] Short-time protection pick-up adjustment range	500 A
Short-time protection delay adjustment type tsd	Fixed
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	5 slot(s)
Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.05 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	-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

Package 1 Weight	1.811 kg
Package 2 Weight	22.498 kg

Offer Sustainability

Green Premium product
☑ REACh Declaration
Compliant EEU RoHS Declaration
Yes
€Yes
☑ China RoHS Declaration
Product Environmental Profile
End Of Life Information
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