# Product data sheet Characteristics

## LV431111

circuit breaker ComPact NSX250B, 25 kA at 415 VAC, TMD trip unit 200 A, 3 poles 3d





#### Main

Range	ComPact	
Product name	ComPact NSX	
Range of product	ComPact NSX100250	
Device short name	NSX250B	
Product or component type	Circuit breaker	
Device application	Distribution	
Poles description	3P	
Protected poles description	3t	
[In] rated current	200 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/IEC 60947-2	
Utilisation category	Category A	
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	
Breaking capacity code	B 25 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	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 15 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical durability	20000 Cycles	
Electrical durability	5000 Cycles at 690 V In 10000 Cycles at 690 V In/2 10000 Cycles at 440 V In 20000 Cycles at 440 V In/2	
Mounting support	Backplate	

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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	200 A at 40 °C
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.71 x ln
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	120400 S at 1.5 x ln 15 S at 6 x lr
Short-time pick-up adjustment type Isd	Adjustable
[lsd] short-time pick-up adjustment range	510 x ln
Short-time delay adjustment type	Fixed
Earth-leakage protection	Without
Number of slots	5 slot(s)
Width	105 Mm
Height	161 Mm
Depth	86 Mm
Net weight	2.4 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	1.998 Kg	
Package 1 Height	1.400 Dm	
Package 1 width	1.100 Dm	
Package 1 Length	1.850 Dm	

## Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Compliant 🗗 EU RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	₫Yes	
China RoHS Regulation	☑ China RoHS Declaration	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	☑ End Of Life Information	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov	



## Contractual warranty

Warranty 18 months

Product Life Status : Commercialised