Product data sheet Characteristics

LV431110

circuit breaker ComPact NSX250B, 25 kA at 415 VAC, TMD trip unit 250 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
[ln] rated current	250 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

Mounting support	Backplate	
	20000 Cycles at 440 V In/2	
•	10000 Cycles at 440 V In	
	10000 Cycles at 690 V In/2	
Electrical durability	5000 Cycles at 690 V In	
Mechanical durability	20000 Cycles	
	15 KA at 500 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	
	25 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2	
[lcs] rated service breaking capacity	20 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2	
[Uimp] rated impulse withstand voltage	8 KV	
[Ui] rated insulation voltage	800 V AC 50/60 Hz	

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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	250 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
[Isd] 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

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	2.008 Kg	
Package 1 Height	11.2 Cm	
Package 1 width	14 Cm	
Package 1 Length	19 Cm	

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant E 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

