Product data sheet Characteristics

LV431120

circuit breaker ComPact NSX250B, 25 kA at 415 VAC, TMD trip unit 250 A, 4 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	4P	
Protected poles description	3t	
Neutral position	Left	
[In] 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

[Ui] rated insulation voltage	800 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	8 KV	
[lcs] 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	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interneted as a substitute for and is not to be used for determining suitability or reliability of these products with expect to the relevant specific application it is the douty of any sub user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or substitiaries shall be responsible or liable for misuse of the information contained herein.

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	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
[lsd] short-time pick-up adjustment range	510 x ln
Short-time delay adjustment type	Fixed
Earth-leakage protection	Without
Neutral protection setting	No protection (3t)
Number of slots	5 slot(s)
Width	140 Mm
Height	161 Mm
Depth	86 Mm
Net weight	2.8 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

r doking office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.629 Kg
Package 1 Height	14.5 Cm
Package 1 width	17.56 Cm
Package 1 Length	19 Cm
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Weight	10.827 Kg
Package 2 Height	30 Cm
Package 2 width	30 Cm
Package 2 Length	40 Cm
Unit Type of Package 3	S04
Number of Units in Package 3	9
Package 3 Weight	25.578 Kg
Package 3 Height	30 Cm



Package 3 width	40 Cm	
Package 3 Length	60 Cm	
Offer Sustainability		
Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Compliant EPEU 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	10 months	
vvarranty	TO MORUIS	

Product Life Status :	Commercialised	
-----------------------	----------------	--

