# Product data sheet Characteristics

# LV431841

circuit breaker ComPact NSX250N, 50 kA at 415 VAC, TMD trip unit 200 A, 4 poles 3d





#### Main

Man		
Range	ComPact	_
Product name	ComPact NSX	_
Range of product	ComPact NSX100250	_
Device short name	NSX250N	_
Product or component type	Circuit breaker	
Device application	Distribution	
Poles description	4P	
Protected poles description	3t + N/2 3t 4t	
Neutral position	Left	
[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	85 KA at 240 V AC 50/60 Hz conforming to UL 508 10 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 480 V AC 50/60 Hz conforming to UL 508 36 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 15 KA at 600 V AC 50/60 Hz conforming to UL 508	
Breaking capacity code	N 50 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	_

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products by specific user applications. 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 substituies shall be responsible or liable for misuse of the information contained herein.

#### Complementary

Complementary	
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 KV
[lcs] rated service breaking capacity	10 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 36 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 KA at 220/240 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
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
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

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	16.86 Cm
Package 1 Length	19 Cm

#### Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Compliant EEU 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: This product can expose you to chemicals including: DIN-P, which is known to the State of California to cause cancer, and DID-P, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

#### Contractual warranty

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Warranty	18 months

Product Life Status : Commercialised