# Product data sheet Characteristics

## LV429554

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





#### Main

ComPact
ComPact NSX
ComPact NSX100250
NSX100B
Circuit breaker
Distribution
3P
3t
40 A at 40 °C
690 V AC 50/60 Hz
AC
50/60 Hz
Yes conforming to EN/IEC 60947-2
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 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
B 25 kA 415 V AC
TM-D
Thermal-magnetic
LI
Toggle
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 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	

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.

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	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	Fixed
[lsd] short-time pick-up adjustment range	500 A
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	2.05 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.811 Kg
Package 1 Height	11.5 Cm
Package 1 width	14 Cm
Package 1 Length	19 Cm
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Weight	22.498 Kg
Package 2 Height	30 Cm
Package 2 width	40 Cm
Package 2 Length	60 Cm



## Offer Sustainability

Green Premium product
☑ REACh Declaration
Compliant EPEU 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

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Warranty	18 months

Product Life Status : Commercialised

