

# Product data sheet

Specifications



## Circuit breaker basic frame, ComPact NSX100S, 100kA at 415VAC 50/60 Hz, 100A, without trip unit, 3 poles

LV429018

**!** To be discontinued on: 31 March 2023

**!** To be discontinued

**Important message :** This product has been switched to new ComPact range and is no longer commercialized. It will continue to be available in H1 2023 only limited to specific projects.

### Main

Range	ComPact
Range of product	ComPact NSX100...250
Device short name	NSX100S
Product or component type	Basic frame
Device application	Distribution
Circuit breaker name	Compact NSX100S
Number of poles	3P
[In] rated current	100 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
[Icu] rated ultimate short-circuit breaking capacity	100 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 120 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 15 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	S 100 kA 415 V AC
Control type	Toggle
Mounting mode	Fixed

### Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 120 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2

90 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2

<b>Mechanical durability</b>	50000 cycles conforming to IEC 60947-2
<b>Electrical durability</b>	10000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 20000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 30000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	35 mm
<b>Protection type</b>	Without protection
<b>Width (W)</b>	105 mm
<b>Height (H)</b>	161 mm
<b>Depth (D)</b>	86 mm

## Environment

<b>Standards</b>	EN/IEC 60947-2 UL 508
<b>Product certifications</b>	UL CSA
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	13.7 cm
<b>Package 1 Width</b>	11.2 cm
<b>Package 1 Length</b>	19.0 cm
<b>Package 1 Weight</b>	1.45 kg
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	15
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	40.0 cm
<b>Package 2 Length</b>	60.0 cm
<b>Package 2 Weight</b>	22.561 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>

Product out of China RoHS scope. Substance declaration for your information

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<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

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## Contractual warranty

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**Warranty** 18 months

## Recommended replacement(s)

LV429018 is replaced by:

1x



Circuit breaker basic frame, ComPacT NSX100S, 100kA/415VAC, 3 poles, 100A frame rating, without trip unit  
C10S3

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