

# Product datasheet

Specifications



circuit breaker basic frame,  
ComPact NSX250L, 150 kA at 415  
VAC 50/60 Hz, 250 A, without trip  
unit, 3 poles

Local distributor code: 391355176 LV431405

⚠ To be discontinued

⚠ To be discontinued on: 30 June 2022

## Main

Range	ComPact
Range of product	ComPact NSX100...250
Device short name	Compact NSX250L
Product or component type	Basic frame
Device application	Distribution
Circuit breaker name	Compact NSX250L
Number of poles	3P
[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
[Icu] rated ultimate short-circuit breaking capacity	130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	L 150 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	130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 cycles conforming to IEC 60947-2

<b>Electrical durability</b>	10000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 10000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 20000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 5000 cycles 690 V AC 50/60 Hz In 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>	CSA UL
<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 Weight</b>	1.578 kg
<b>Package 1 Height</b>	11.2 cm
<b>Package 1 width</b>	13.8 cm
<b>Package 1 Length</b>	19.2 cm
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	15
<b>Package 2 Weight</b>	24.946 kg
<b>Package 2 Height</b>	30 cm
<b>Package 2 width</b>	40 cm
<b>Package 2 Length</b>	60 cm

## Offer Sustainability

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

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## Contractual warranty

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<b>Warranty</b>	18 months
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## Recommended replacement(s)

LV431405 is replaced by:

1x



circuit breaker basic frame, ComPacT NSX250L, 150 kA at 415 VAC 50/60 Hz, 250 A, without trip unit, 3 poles  
C25L3

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