

# Product datasheet

Specifications



circuit breaker basic frame,  
ComPacT NSX100H, 70 kA at 415  
VAC 50/60 Hz, 100 A, without trip  
unit, 3 poles

C10H3

## Main

<b>Range</b>	ComPacT new generation
<b>Product name</b>	ComPacT NSX new generation
<b>Device short name</b>	NSX100H
<b>Product or component type</b>	Basic frame
<b>Device application</b>	Distribution
<b>Poles description</b>	3P
<b>[In] rated current</b>	100 A at 40 °C
<b>[Ue] rated operational voltage</b>	690 V AC 50/60 Hz conforming to IEC 60947-2
<b>Network type</b>	AC
<b>Network frequency</b>	50/60 Hz
<b>Suitability for isolation</b>	Yes conforming to EN/IEC 60947-2
<b>Utilisation category</b>	Category A
<b>[Icu] rated ultimate short-circuit breaking capacity</b>	10 kA at 600 V AC 50/60 Hz conforming to UL 508 85 kA at 240 V AC 50/60 Hz conforming to UL 508 65 kA at 480 V AC 50/60 Hz conforming to UL 508 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/240 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 Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
<b>Performance level</b>	H 70 kA 415 V AC
<b>Control type</b>	Toggle
<b>Mounting mode</b>	Fixed

## Complementary

<b>[Ui] rated insulation voltage</b>	800 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Uimp] rated impulse withstand voltage</b>	8 kV conforming to IEC 60947-2
<b>[Ics] rated service short-circuit breaking capacity</b>	10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380/415 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 Weight</b>	1.428 kg
<b>Package 1 Height</b>	14 cm
<b>Package 1 width</b>	11.4 cm
<b>Package 1 Length</b>	19.2 cm
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	7
<b>Package 2 Weight</b>	10.3 kg
<b>Package 2 Height</b>	30 cm
<b>Package 2 width</b>	30 cm
<b>Package 2 Length</b>	40 cm

## Offer Sustainability

<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

# Contractual warranty

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Warranty	18 months
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