

# C10N3

Circuit breaker basic frame, ComPacT  
NSX100N, 50kA/415VAC, 3 poles, 100A frame  
rating, without trip unit



## Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX100N
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	100 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
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	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 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
Performance level	N 50 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	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	50000 cycles conforming to IEC 60947-2
Electrical durability	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
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Protection type	Without protection

Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm






## Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	UL[RETURN]CSA
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	-25...70 °C
Ambient air temperature for storage	-50...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.2 cm
Package 1 Width	14 cm
Package 1 Length	19.2 cm
Package 1 Weight	1.431 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	10.38 kg
Unit Type of Package 3	P12
Number of Units in Package 3	56
Package 3 Height	42.5 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	97.5 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>