C10N4

Circuit breaker basic frame, ComPacT NSX100N, 50kA/415VAC, 4 poles, 100A frame rating, without trip unit





Main

Product name	Range	ComPacT new generation
Product or component type Device application Distribution Poles description AP Neutral position [In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity In 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 lcu at 660/690 V AC 50/60 Hz conforming to UL 508 36 KA lcu at 525 V AC 50/60 Hz conforming to IEC 60947-2 So KA at 480 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 480 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 90 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Control type Toggle	Product name	ComPacT NSX new generation
type Device application Poles description AP Neutral position Left [In] rated current 100 A at 40 °C [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation 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 at 600/690 V AC 50/60 Hz conforming to UL 508 10 KA cu at 660/690 V AC 50/60 Hz conforming to UE 60947-2 35 KA Icu at 525 V AC 50/60 Hz conforming to UE 508 36 KA Icu at 525 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 50 KA Icu at 440 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 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	Device short name	NSX100N
Poles description 4P Neutral position Left [In] rated current 100 A at 40 °C [Ue] rated operational voltage 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 UL 508 36 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 525 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 480 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 50 KA Icu at 220/240 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		Basic frame
Neutral position [In] rated current 100 A at 40 °C [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [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 lcu at 660/690 V AC 50/60 Hz conforming to UL 508 10 KA lcu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA lcu at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 480 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 KA 415 V AC Control type Toggle	Device application	Distribution
[In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity AC Network grequency Solé60 Hz Suitability for isolation Yes conforming to EN/IEC 60947-2 Utilisation category Category A 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 lcu at 660/690 V AC 50/60 Hz conforming to UEC 60947-2 35 KA lcu at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 KA at 480 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 90 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 KA 415 V AC Control type Toggle	Poles description	4P
[Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Ves conforming to EN/IEC 60947-2 Utilisation category [Icu] rated ultimate short-circuit breaking capacity 10 KA at 600 V AC 50/60 Hz conforming to UL 508 to KA lcu at 660/690 V AC 50/60 Hz conforming to UL 508 to KA lcu 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 lcu at 500 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 lcu at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 90 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Control type Toggle	Neutral position	Left
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 90 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	[In] rated current	100 A at 40 °C
Network frequency Suitability for isolation Yes conforming to EN/IEC 60947-2 Utilisation category [Icu] rated ultimate short-circuit breaking capacity 10 KA at 600 V AC 50/60 Hz conforming to UL 508 10 KA Icu at 660/690 V AC 50/60 Hz conforming to UL 508 10 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 525 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 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		690 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation Yes conforming to EN/IEC 60947-2 Utilisation category [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 380/415 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 N 50 kA 415 V AC Control type Toggle	Network type	AC
Utilisation category [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 Toggle	Network frequency	50/60 Hz
[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	Suitability for isolation	Yes conforming to EN/IEC 60947-2
short-circuit breaking capacity 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	Utilisation category	Category A
Control type Toggle	short-circuit breaking	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
	Performance level	N 50 kA 415 V AC
Mounting mode Fixed	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
[lcs] 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

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 inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in 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 subsidiaries shall be responsible or liable for misuse of the information contained herein.

Protection type	Without protection
Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm

Environment

Standards	EN/IEC 60947-2
	UL 508
Product certifications	CSA[RETURN]UL
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

Packing Units

0	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14 cm
Package 1 Width	14.5 cm
Package 1 Length	19 cm
Package 1 Weight	1.892 kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.756 kg
Unit Type of Package 3	P12
Number of Units in Package 3	48
Package 3 Height	43 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	104 kg

Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Compliant with Exemptions	
Mercury free	Yes	
China RoHS Regulation	China RoHS Declaration	
RoHS exemption information	₫Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	☐ End Of Life Information	