C10N3TM063

Circuit breaker, ComPacT NSX100N, 50kA/415VAC, 3 poles, TMD trip unit 63A





Main

Range ComPacT new generation Product name ComPacT NSX new generation Device short name NSX100N Product or component type Device application Distribution Poles description 3P Protected poles description [In] rated current 63 A at 40 °C [Ue] rated operational voltage Network frequency 50/60 Hz Suitability for isolation Yes conforming to EN/IEC 60947-2 Utilisation category Category A [Icu] rated ultimate 50 KA Icu at 220/240 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 36 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 37 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 38 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 39 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection LI Control type Toggle Circuit breaker mounting mode		
Device short name Product or component type Device application Poles description Protected poles description [In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Ves conforming to EN/IEC 60947-2 [Icu] rated ultimate short-circuit breaking capacity AC Net at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 So KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 37 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 38 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 39 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 To kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 To kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Range	ComPacT new generation
Product or component type Device application Distribution Poles description [In] rated current G3 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 Po KA Icu at 220/240 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 36 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 37 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 38 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 39 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 To KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Tisu on the first breaker Circuit breaker Tisu on the first breaker Tisu on the first breaker Fixed	Product name	ComPacT NSX new generation
type Device application Poles description Protected poles description [In] rated current [In] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category I[cu] rated ultimate short-circuit breaking capacity AC Network type AC Network frequency Sol/60 Hz Suitability for isolation Ves conforming to EN/IEC 60947-2 Category A I[cu] rated ultimate short-circuit breaking capacity Sol KA Icu at 220/240 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 36 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic LI Control type Toggle Circuit breaker Fixed	Device short name	NSX100N
Poles description Protected poles description [In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity Poly 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 36 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 37 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 38 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 39 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Tivi unit protection fixed	•	Circuit breaker
Protected poles description [In] rated current 63 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 [Icu] rated ultimate short-circuit breaking capacity 50 KA Icu at 220/240 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 36 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 37 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Device application	Distribution
description [In] rated current 63 A at 40 °C [Ue] rated operational voltage Network type AC Network frequency 50/60 Hz Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity Fix A Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 37 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 38 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 39 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 To kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Poles description	3P
[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 So KA Icu at 220/240 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 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic LI Control type Toggle Circuit breaker Fixed	•	3D
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 50 KA Icu at 220/240 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 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 To kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Control type Toggle Circuit breaker Fixed	[In] rated current	63 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 So KA Icu at 220/240 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 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed		690 V AC 50/60 Hz
Suitability for isolation Yes conforming to EN/IEC 60947-2 Utilisation category [Icu] rated ultimate short-circuit breaking capacity So 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 50 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Network type	AC
Utilisation category [Icu] rated ultimate short-circuit breaking capacity Po KA Icu at 220/240 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 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Network frequency	50/60 Hz
[Icu] rated ultimate short-circuit breaking capacity 90 KA Icu at 220/240 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 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Suitability for isolation	Yes conforming to EN/IEC 60947-2
short-circuit breaking capacity 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 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Performance level N 50 kA 415 V AC Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Utilisation category	Category A
Trip unit name TM-D Trip unit technology Thermal-magnetic Trip unit protection LI functions Control type Toggle Circuit breaker Fixed	short-circuit breaking	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 36 KA Icu at 500 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to
Trip unit technology Thermal-magnetic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Performance level	N 50 kA 415 V AC
Trip unit protection functions Control type Toggle Circuit breaker Fixed	Trip unit name	TM-D
functions Control type Toggle Circuit breaker Fixed	Trip unit technology	Thermal-magnetic
Circuit breaker Fixed		LI
	Control type	Toggle
		Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[lcs] rated service short-circuit breaking capacity	90 KA at 220/240 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 36 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	50000 cycles
Electrical durability	50000 Cycles at 440 V In/2 30000 Cycles at 440 V In 20000 Cycles at 690 V In/2 10000 cycles at 690 V In
Power dissipation per pole	8.61 W
Mounting support	Backplate

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.

Mounting position	Horizontal and vertical
	Flat on the back
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Protection type	L : for overload protection (thermal)
	I : for short-circuit protection (magnetic)
Trip unit rating	63 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.71 x ln
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	120400 S at 1.5 x In
	15 s at 6 x lr
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	500 A
	NAME .
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	5 slot(s)
Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.05 kg

Environment

Standards	EN/IEC 60947
Product certifications	CCC[RETURN]EAC[RETURN]Marine
Overvoltage category	Class II
Electrical shock protection class	Class II
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
Relative humidity	095 %
Operating altitude	02000 m without derating 2000 m5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.0 cm
Package 1 Width	11.2 cm
Package 1 Length	19.0 cm
Package 1 Weight	1.778 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	12.828 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
PVC free	Yes