# C10F3

Circuit breaker basic frame, ComPacT NSX100F, 36kA/415VAC, 3 poles, 100A frame rating, without trip unit





#### Main

Product name	Range	ComPacT new generation
Product or component type  Device application  Poles description  [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  AC  Secondary Secondar	Product name	ComPacT NSX new generation
type  Device application  Poles description  [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  25 KA at 480 V AC 50/60 Hz conforming to UL 508  85 KA at 240 V AC 50/60 Hz conforming to UL 508  22 KA Icu at 525 V AC 50/60 Hz conforming to UL 508  22 KA Icu at 525 V AC 50/60 Hz conforming to UL 508  23 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  25 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2	Device short name	NSX100F
Poles description  [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  AC  10 KA at 600 V AC 50/60 Hz conforming to UL 508 22 KA lcu at 525 V AC 50/60 Hz conforming to UL 508 22 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2  35 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2  36 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2  36 KA lcu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  38 KA lcu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 KA lcu at 720/240 V AC 50/60 Hz conforming to IEC 60947-2  86 KA lcu at 720/240 V AC 50/60 Hz conforming to IEC 60947-2  87 KA lcu at 720/240 V AC 50/60 Hz conforming to IEC 60947-2  88 KA lcu at 720/240 V AC 50/60 Hz conforming to IEC 60947-2  88 KA lcu at 720/240 V AC 50/60 Hz conforming to IEC 60947-2  89 KA lcu at 720/240 V AC 50/60 Hz conforming to IEC 60947-2  80 KA 150 V AC 50/60 Hz conforming to IEC 60947-2  80 KA 150 V AC 50/60 Hz conforming to IEC 60947-2  80 KA 150 V AC 50/60 Hz conforming to IEC 60947-2  80 KA 150 V AC 50/60 Hz conforming to IEC 60947-2  80 KA 150 V AC 50/60 Hz conforming to IEC 60947-2  80 KA 150 V AC 50/60 Hz conforming to IEC 60947-2	•	Basic frame
[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 frequency  Suitability for isolation  Toggle  10 KA at 600 V AC 50/60 Hz conforming to UL 508 25 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2  35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  38 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  F 36 KA 415 V AC  Control type  Toggle	Device application	Distribution
[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 25 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2  25 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  8 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  85 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  85 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  86 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  87 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  88 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  88 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  89 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2	Poles description	3P
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 25 KA at 480 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA lcu at 525 V AC 50/60 Hz conforming to UL 508 22 KA lcu at 525 V AC 50/60 Hz conforming to IEC 60947-2  25 KA lcu at 500 V AC 50/60 Hz conforming to IEC 60947-2  35 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2  36 KA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  7 Solution of the conforming to IEC 60947-2  8 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  8 KA lcu at 7 Solution of Technology (Conforming to IEC 60947-2)  8 KA lcu at 7 Solution of Technology (Conforming to IEC 60947-2)  8 KA lcu at 7 Solution of Technology (Conforming to IEC 60947-2)  8 KA lcu at 7 Solution of Technology (Conforming to IEC 60947-2)  8 KA lcu at 7 Solution of Technology (Conforming to IEC 60947-2)  8 KA lcu at 7 Solution of Technology (Conforming to IEC 60947-2)  8 KA lcu at 7 Solution of Technology (Conforming to IEC 60947-2)	[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 25 KA at 480 V AC 50/60 Hz conforming to UL 508 25 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 500 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 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  F 36 kA 415 V AC  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 25 KA at 480 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Toggle  Performance level  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 25 KA at 480 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  F 36 kA 415 V AC  Control type  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 25 KA at 480 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Toggle  Performance level  Toggle	Suitability for isolation	Yes conforming to EN/IEC 60947-2
short-circuit breaking capacity  25 KA at 480 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Performance level F 36 kA 415 V AC  Control type Toggle	Utilisation category	Category A
Control type Toggle	short-circuit breaking	25 KA at 480 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 KA Icu at 220/240 V AC 50/60 Hz conforming to
	Performance level	F 36 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	11 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 4 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 500 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

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.

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	-2570 °C
Ambient air temperature for storage	-5085 °C

## **Packing Units**

1 doking office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.000 cm
Package 1 Width	14.000 cm
Package 1 Length	19.500 cm
Package 1 Weight	1.447 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.586 kg
Unit Type of Package 3	P12
Number of Units in Package 3	56
Package 3 Height	43.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	96.288 kg

# Offer Sustainability

REACh Declaration
Compliant with Exemptions
Yes
China RoHS Declaration
₽¥Yes
Product Environmental Profile
☐ End Of Life Information