



## Circuit breaker, ComPacT NSX100F AC/DC, 18kA/415VAC, 2 poles, TMD trip unit 63A

C10F2TM063

### Main

Mani		
Range	ComPacT new generation	
Product name	ComPacT NSX new generation	
Device short name	NSX100F	
Product or component type	Circuit breaker	
Device application	Distribution	
poles description	2P	
Protected poles description	2D	
[In] rated current	63 A at 40 °C	
[Ue] rated operational voltage	690 V AC 50/60 Hz 500 V DC	
Network type	AC DC	
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	36 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 18 kA Icu at 380/415 V AC 50/60 Hz 1P conforming to IEC 60947-2 15 kA Icu at 440 V AC 50/60 Hz 1P conforming to IEC 60947-2 10 kA Icu at 500/525 V AC 50/60 Hz 2P conforming to IEC 60947-2 5 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 250 V DC 50/60 Hz 1 pole conforming to IEC 60947-2 36 kA Icu at 500 V DC 50/60 Hz 2 poles in series conforming to IEC 60947-2	
Performance level	F 18 kA 415 V AC	
Trip unit name	TM-D	
Trip unit technology	Thermal-magnetic	
Trip unit protection functions	и	
Control type	type Toggle	
Circuit breaker mounting mode Fixed		

### Complementary

[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand	8 kV conforming to IEC 60947-2

[Ics] rated service short-circuit breaking capacity	36 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 250 V DC 50/60 Hz conforming to IEC 60947-2 36 kA at 500 V DC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 cycles
Electrical durability	20000 cycles at 277 V In/2 10000 cycles at 277 V In
Power dissipation per pole	8.61 W
Mounting support	Backplate
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)	Fixed
[Ir] long-time protection pick-up adjustment range	1 x ln
Long-time protection delay adjustment type tr	Fixed
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick- up adjustment range	500 A
Earth-leakage protection	Without
Width (W)	70 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	1.2 kg

## **Environment**

Standards	EN/IEC 60947-2	
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	7.900 cm
Package 1 Width	13.100 cm
Package 1 Length	17.600 cm
Package 1 Weight	1.234 kg
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	15.220 kg



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Transparency RoHS/REACh

### Well-being performance

	Mercury Free	
<b>②</b>	Rohs Exemption Information	Yes
	Pvc Free	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information