

# C11F4TM050B

Circuit breaker ComPacT NSXm F (36kA at 415VAC), 4 Poles 4d, 50A rating TMD trip unit, compression lugs and busbar connectors



## Main

Range	ComPacT new generation
Product name	ComPacT NSXm new generation
Range of product	ComPacT NSXm new generation
Device short name	NSXm 100F
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4D
Neutral position	Left
[In] rated current	50 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	85 KA Icu at 220...240 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 35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	F 36 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Circuit breaker mounting mode	Fixed

## Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	85 KA at 220...240 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 30 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 10 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 cycles
Electrical durability	20000 Cycles at 440 V In/2 10000 Cycles at 440 V In 10000 Cycles at 690 V In/2 5000 cycles at 690 V In
Power dissipation per pole	4.81 W

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or 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 support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection terminals	Compression lug/busbar
Connection pitch	35 Mm with spreaders 27 mm without spreaders
9 mm pitches	12 module
Trip unit rating	50 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x In
Long-time protection delay adjustment type tr	Fixed
Neutral protection settings	1 x Ir (4D)
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	600 A
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX
Local signalling	Flag (green) for presence of auxiliary contacts
Width (W)	108 mm
Height (H)	137 mm
Depth (D)	80 mm
Net weight	1.42 kg
Colour	Grey (RAL 7016)

## Environment

Standards	EN/IEC 60947
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
Relative humidity	0...95 %
Operating altitude	2000 m without derating 5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	12.0 cm
Package 1 Length	22.0 cm
Package 1 Weight	1.6 kg
Unit Type of Package 2	P12
Number of Units in Package 2	144
Package 2 Height	150.0 cm
Package 2 Width	80.0 cm
Package 2 Length	120.0 cm
Package 2 Weight	254.49 kg
Unit Type of Package 3	S03
Number of Units in Package 3	6
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm

Package 3 Length	40.0 cm
Package 3 Weight	10.19 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
Halogen content performance	Halogen free plastic parts product