

Important message: This product has been switched to new ComPacT range and is no longer commercialized. It will continue to be available in H1 2023 only limited to specific projects.



## Main

Range	ComPact
Product name	ComPact NSXm
Range of product	ComPact NSXm
Device short name	NSXm 50N
Product or component type	Circuit breaker
Device application	Protection 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 EN/IEC 60947-2
Utilisation category	Category A
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 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 15 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 600...690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N 50 kA 415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Mounting mode	By screws Clip-on

The information provided in this documentation contains general descriptions and/or technical characteristics of the products 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.

## Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 KV
[Ics] rated service 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 25 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 15 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 2.5 KA at 660...690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 Cycles
Electrical durability	10000 Cycles at 440 V In 20000 Cycles at 440 V In/2 5000 Cycles at 690 V In 10000 Cycles at 690 V In/2
Mounting support	Plate DIN rail
Connections - terminals	Compression lug/busbar
Connection pitch	35 Mm with spreaders 27 Mm without spreaders
9 mm pitches	12 module
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	50 A at 40 °C
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
Magnetic tripping current	600 A
Earth-leakage protection	Without
Number of slots	1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX
Width	108 Mm
Height	137 Mm
Depth	80 Mm
Net weight	1.42 Kg
Colour	Grey (RAL 7016)

## Environment

Standards	EN/IEC 60947
Product certifications	CCC EAC Marine
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	0...2000 m without derating 2000...5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.5 Cm
Package 1 Width	11.7 Cm
Package 1 Length	22 Cm
Package 1 Weight	1.6 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	10.19 Kg
Unit Type of Package 3	P12
Number of Units in Package 3	144
Package 3 Height	110 Cm
Package 3 Width	80 Cm
Package 3 Length	120 Cm
Package 3 Weight	254.49 Kg

### Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: DIN-P, which is known to the State of California to cause cancer, and DID-P, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Product Life Status : **End of commerc. announced**

LV426474 may be replaced by any of the following products:



#### C11N4TM050B

Circuit breaker, ComPacT NSXm 63N, 50kA/415VAC, 4 poles 4D (neutral fully protected), TMD trip unit 50A, lugs/bu

Qty 1

Substitution date: |