# Product data sheet

Specifications





circuit breaker Compact NSXm N (50 kA at 415 VAC), 4P 3d, 80 A rating TMD trip unit, compression lugs and busbar connectors

LV426466

() Discontinued on: Sep 15, 2023

#### Main

Man	
Range	ComPact
Product Name	ComPact NSXm
Range Of Product	ComPact NSXm
Device Short Name	NSXm 80N
Product Or Component Type	Circuit breaker
Device Application	Protection Distribution
Number Of Poles	4P
Protected Poles Description	3D
Neutral Position	Left
[In] Rated Current	80 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
[Icu] Rated Ultimate Short-Circuit Breaking Capacity	90 kA lcu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 380415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 440 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	LI
Control Type	Toggle
Circuit Breaker Mounting Mode	By screws Clip-on

## Complementary

[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV

List Price displayed is VAT EXCLUSIVE.

[Ics] Rated Service Short-Circuit Breaking Capacity	90 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	20000 cycles
Electrical Durability	10000 cycles at 440 V ln 20000 cycles at 440 V ln/2 5000 cycles at 690 V ln 10000 cycles at 690 V ln/2
Mounting Support	Plate DIN rail
Connection 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	80 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
[Im] Magnetic Protection Pick-Up Range	1000 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
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
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	-2570 °C
Ambient Air Temperature For Storage	-5085 °C
Relative Humidity	095 %
Operating Altitude	02000 m without derating 20005000 m with derating

## **Packing Units**

Unit Type Of Package 1

Number Of Units In Package 1	1
Package 1 Height	12.5 cm
Package 1 Width	13.0 cm
Package 1 Length	20.1 cm
Package 1 Weight	1.48 kg

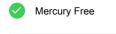
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**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.



Transparency RoHS/REACh

#### Well-being performance



Rohs Exemption Information Yes

## **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins