

# Product datasheet

Specifications



## circuit breaker Compact NSXm 25A 3P 50kA at 380/415V(IEC) EverLink lug

LV426401

⚠ Discontinued on: 30 Jun 2023

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### Main

Range	ComPact
Product name	ComPact NSXm
Range of product	ComPact NSXm
Device short name	NSXm 25N
Product or component type	Circuit breaker
Device application	Protection Distribution
Number of poles	3P
Protected poles description	3D
[In] rated current	25 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 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
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

<b>[Ics] rated service short-circuit breaking capacity</b>	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
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	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
<b>Mounting support</b>	Plate DIN rail
<b>Connection terminals</b>	1 Everlink lug wire size 2.5...95 mm <sup>2</sup> , rigid or stranded aluminium/copper 1 Everlink lug wire size 2.5...70 mm <sup>2</sup> , flexible copper
<b>Connection pitch</b>	35 mm with spreaders 27 mm without spreaders
<b>9 mm pitches</b>	9 module
<b>Protection type</b>	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
<b>Trip unit rating</b>	25 A at 40 °C
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Adjustable
<b>[Ir] long-time protection pick-up adjustment range</b>	0.7...1 x In
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>[Im] magnetic protection pick-up range</b>	600 A
<b>Earth-leakage protection</b>	Without
<b>Number of slots for electrical auxiliaries</b>	1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX
<b>Width (W)</b>	81 mm
<b>Height (H)</b>	137 mm
<b>Depth (D)</b>	80 mm
<b>Net weight</b>	1.06 kg
<b>Colour</b>	Grey (RAL 7016)

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Product certifications</b>	CCC EAC Marine
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C
<b>Relative humidity</b>	0...95 %
<b>Operating altitude</b>	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	9.0 cm
Package 1 Length	22.0 cm
Package 1 Weight	1.3 kg
Unit Type of Package 2	S03
Number of Units in Package 2	9
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	12.29 kg

## Contractual warranty

Warranty (in months)	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint	122 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	113 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

SCIP Number	266401fd-2db7-458f-b0c1-34d573cc83b3
EU RoHS Directive	<a href="#">Compliant By Exemption</a>

## Use Longer




### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

End of life manual availability	No need of specific recycling operations
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins