

# Product data sheet

Specifications



## Circuit breaker, ComPacT NSXm 100H, 70kA/415VAC, 4 poles 3D (neutral not protected), TMD trip unit 80A, EverLink lugs

C11H6TM080L

### Main

Range	ComPacT new generation
Product name	ComPacT NSXm new generation
Range of product	ComPacT NSXm new generation
Device short name	NSXm 100H
Product or component type	Circuit breaker
Device application	Distribution Protection
Poles description	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 IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	100 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	H 70 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
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	100 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2

<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	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
<b>Power losses</b>	6.96 W
<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<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>	12 module
<b>Trip unit rating</b>	80 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>	1000 A
<b>Short-time protection pick-up adjustment type Isd</b>	Fixed
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<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>Local signalling</b>	Flag (green) for presence of auxiliary contacts
<b>Width (W)</b>	108 mm
<b>Height (H)</b>	137 mm
<b>Depth (D)</b>	80 mm
<b>Product weight</b>	1.42 kg
<b>Quantity per set</b>	Set of 1
<b>Colour</b>	Grey (RAL 7016)

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP40
<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>Operating altitude</b>	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 Weight	1.582 kg
Package 1 Height	12 cm
Package 1 width	13 cm
Package 1 Length	22 cm
Unit Type of Package 2	P12
Number of Units in Package 2	144
Package 2 Weight	254.49 kg
Package 2 Height	150 cm
Package 2 width	80 cm
Package 2 Length	120 cm
Unit Type of Package 3	S03
Number of Units in Package 3	6
Package 3 Weight	10.19 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## 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> Product out of China RoHS scope. Substance declaration for your information
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>