

# Product datasheet

Specifications



circuit breaker ComPacT NSX160M  
AC/DC, 25 kA at 415 VAC, TMD trip  
unit 160 A, 2 poles 2d

C16M2TM160

EAN Code: 3606481995933

## Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX160M
Product or component type	Circuit breaker
Device application	Distribution
Poles description	2P
Protected poles description	2D
[In] rated current	160 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz 500 V DC
Network type	AC DC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
Breaking capacity	85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 380/415 V AC 50/60 Hz 1P conforming to IEC 60947-2 25 kA Icu at 440 V AC 50/60 Hz 1P conforming to IEC 60947-2 18 kA Icu at 500/525 V AC 50/60 Hz 2P conforming to IEC 60947-2 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 250 V DC 50/60 Hz 1 pole conforming to IEC 60947-2 85 kA Icu at 500 V DC 50/60 Hz 2 poles in series conforming to IEC 60947-2
Breaking capacity code	M 25 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	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2

<b>[Ics] rated service breaking capacity</b>	85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 250 V DC 50/60 Hz conforming to IEC 60947-2 85 kA at 500 V DC 50/60 Hz conforming to IEC 60947-2
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	20000 cycles at 277 V In/2 10000 cycles at 277 V In
<b>Power dissipation per pole</b>	13.95 W
<b>Mounting support</b>	Backplate
<b>Mounting position</b>	Horizontal and vertical Flat on the back
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	35 mm
<b>Protection type</b>	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
<b>Trip unit rating</b>	160 A at 40 °C
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Fixed
<b>[Ir] long-time protection pick-up adjustment range</b>	1 x In
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>Instantaneous protection pick-up adjustment type Ii</b>	Fixed
<b>[Ii] instantaneous protection pick-up adjustment range</b>	1250 A
<b>Earth-leakage protection</b>	Without
<b>Width (W)</b>	70 mm
<b>Height (H)</b>	161 mm
<b>Depth (D)</b>	86 mm
<b>Net weight</b>	1.2 kg

## Environment

<b>Standards</b>	EN/IEC 60947-2
<b>Overvoltage category</b>	III
<b>Electrical shock protection class</b>	Class II on front face
<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 m...5000 m with derating

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.100 cm
<b>Package 1 Width</b>	13.000 cm
<b>Package 1 Length</b>	17.500 cm
<b>Package 1 Weight</b>	1.280 kg
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	12
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	15.950 kg

## Logistical informations

<b>Country of origin</b>	PL
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## Contractual warranty

<b>Warranty</b>	18 months
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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 **161**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

[EU RoHS Directive](#) **Compliant with Exemptions**

SCIP Number **3874e08b-fcb8-4aa9-87c4-d36abebf2833**

REACH Regulation [REACH Declaration](#)

Halogen-free status **Product contains halogen above thresholds**

PVC free **Yes**

## Use Again

### Repack and remanufacture

Recyclability potential, in % **54**

End of life manual availability [End of Life Information](#)

Take-back **No**

WEEE Label  **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Technical Illustration

Assembly's dimensions

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