

# Product datasheet

Specifications



circuit breaker ComPacT NSXm E (16 kA at 415 VAC). 3P 3d. 160 A rating TMD trip unit. EverLink connectors

C12E3TM160L

**Price: 4,670.89 ZAR**

## Main

Range	ComPacT new generation
Product Name	ComPacT NSXm new generation
Range Of Product	ComPacT NSXm new generation
Device Short Name	NSXm 160E
Product Or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	3P
Protected Poles Description	3D
[In] Rated Current	160 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	25 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 16 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	E 16 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 AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ics] Rated Service Short-Circuit Breaking Capacity	25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 16 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	20000 cycles

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<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 Dissipation Per Pole</b>	12.21 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 Terminals</b>	1 Everlink lug wire size 2.5...70 mm <sup>2</sup> , flexible copper 1 Everlink lug wire size 2.5...95 mm <sup>2</sup> , rigid or stranded copper
<b>Connection Pitch</b>	35 mm with spreaders 27 mm without spreaders
<b>9 Mm Pitches</b>	9 module
<b>Trip Unit Rating</b>	160 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>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>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>	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>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>	2000 m without derating 5000 m with derating

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
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<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	12.0 cm
<b>Package 1 Width</b>	9.0 cm
<b>Package 1 Length</b>	21.0 cm
<b>Package 1 Weight</b>	1.202 kg
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	9
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	11.192 kg

## Sustainability

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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information [Yes](#)

Halogen Free Plastic Parts Product

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile No need of specific recycling operations