

# Product datasheet

Specifications



Circuit breaker ComPacT NSXm E (16kA at 415VAC), 3 Poles 3d, 100A rating Micrologic 4.1 trip unit, lugs and busbar connectors

C11E34V100B

## 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	Earth leakage circuit breaker
Device Application	Distribution
Poles Description	3P
Protected Poles Description	3D
[In] Rated Current	100 A at 40 °C
[Ue] Rated Operational Voltage	440 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 8 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	E 16 kA 415 V AC
Trip Unit Name	MicroLogic 4.1
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSolR
Control Type	Toggle
Circuit Breaker Mounting Mode	Fixed

## Complementary

[Ui] Rated Insulation Voltage	500 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 8 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	20000 cycles

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

<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>	4.77 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>	compression lug/busbar
<b>Connection Pitch</b>	35 mm with spreaders 27 mm without spreaders
<b>9 Mm Pitches</b>	9 module
<b>Trip Unit Rating</b>	100 A at 40 °C
<b>Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)</b>	Adjustable 9 settings
<b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>	40...100 A
<b>Long-Time Protection Delay Adjustment Type Tr</b>	Fixed
<b>[Tr] Long-Time Protection Delay Adjustment Range</b>	200 s at 1.5 x Ir 8 s at 6 x Ir 5 s at 7.2 x Ir
<b>Thermal Memory</b>	20 minutes before and after tripping
<b>Short-Time Protection Pick-Up Adjustment Type Isd</b>	Adjustable 9 settings
<b>[Isd] Short-Time Protection Pick-Up Adjustment Range</b>	1.5...10 x Ir
<b>Short-Time Protection Delay Adjustment Type Tsd</b>	Fixed
<b>Instantaneous Protection Pick-Up Adjustment Type Ii</b>	Fixed
<b>[Ii] Instantaneous Protection Pick-Up Adjustment Range</b>	1500 A
<b>Earth-Leakage Protection</b>	Integrated
<b>Earth-Leakage Protection Class</b>	Class A Class AC
<b>Earth-Leakage Protection Sensitivity Adjustment Type Iōn</b>	Adjustable
<b>[Iōn] Earth-Leakage Protection Sensitivity Adjustment Range</b>	30 mA 100 mA 300 mA 500 mA 1 A 3 A 5 A
<b>Earth-Leakage Sensitivity</b>	30 mA for class A 100 mA for class A 300 mA for class A 500 mA for class A 1 A for class A 30 mA for class AC 100 mA for class AC 300 mA for class AC 500 mA for class AC 1 A for class AC 3 A for class AC 5 A for class AC
<b>Earth-Leakage Protection Time Delay Adjustement Type Δt</b>	Adjustable

<b>[Δt] Earth-Leakage Protection Time Delay Adjustment Range</b>	0 ms
	60 ms
	150 ms
	500 ms
	1000 ms
<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>	144 mm
<b>Depth (D)</b>	80 mm
<b>Net Weight</b>	1.63 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>	-40...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
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	14.000 cm
<b>Package 1 Width</b>	16.000 cm
<b>Package 1 Length</b>	20.000 cm
<b>Package 1 Weight</b>	1.606 kg
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	4
<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>	6.865 kg

# Sustainability

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Transparency

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Halogen Free Plastic Parts Product

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>