

Product datasheet

Specifications



circuit breaker ComPacT NSXm E (16 kA at 415 VAC). 3P 3d. 100 A rating Micrologic 4.1 trip unit. EverLink connectors

C11E34V100L

Price: 11,189.78 ZAR

Main

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|--|---|
| 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 |

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

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|---|---|
| Electrical Durability | 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 |
| Power Dissipation Per Pole | 4.77 W |
| Mounting Support | Backplate |
| Mounting Position | Horizontal and vertical Flat on the back |
| Upside Connection | Front |
| Downside Connection | Front |
| Connection Terminals | 1 Everlink lug wire size 2.5...70 mm ² , fine stranded copper 1 Everlink lug wire size 2.5...95 mm ² , rigid or stranded aluminium/copper |
| Connection Pitch | 35 mm with spreaders 27 mm without spreaders |
| 9 Mm Pitches | 9 module |
| Trip Unit Rating | 100 A at 40 °C |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Adjustable 9 settings |
| [Ir] Long-Time Protection Pick-Up Adjustment Range | 40...100 A |
| Long-Time Protection Delay Adjustment Type Tr | Fixed |
| [Tr] Long-Time Protection Delay Adjustment Range | 200 s at 1.5 x Ir 8 s at 6 x Ir 5 s at 7.2 x Ir |
| Thermal Memory | 20 minutes before and after tripping |
| Short-Time Protection Pick-Up Adjustment Type Isd | Adjustable 9 settings |
| [Isd] Short-Time Protection Pick-Up Adjustment Range | 1.5...10 x Ir |
| Short-Time Protection Delay Adjustment Type Tsd | Fixed |
| Instantaneous Protection Pick-Up Adjustment Type Ii | Fixed |
| [Ii] Instantaneous Protection Pick-Up Adjustment Range | 1500 A |
| Earth-Leakage Protection | Integrated |
| Earth-Leakage Protection Class | Class A Class AC |
| Earth-Leakage Protection Sensitivity Adjustment Type I_{ōn} | Adjustable |
| [I_{ōn}] Earth-Leakage Protection Sensitivity Adjustment Range | 30 mA 100 mA 300 mA 500 mA 1 A 3 A 5 A |
| Earth-Leakage Sensitivity | 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 |
| Earth-Leakage Protection Time Delay Adjustment Type Δt | Adjustable |

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|--|--|
| [Δt] Earth-Leakage Protection Time Delay Adjustment Range | 0 ms 60 ms 150 ms 500 ms 1000 ms |
| Number Of Slots For Electrical Auxiliaries | 1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX |
| Local Signalling | Flag (green) for presence of auxiliary contacts |
| Width (W) | 108 mm |
| Height (H) | 144 mm |
| Depth (D) | 80 mm |
| Net Weight | 1.63 kg |
| Colour | Grey (RAL 7016) |

Environment

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|--|---|
| Standards | EN/IEC 60947 |
| Pollution Degree | 3 conforming to IEC 60664-1 |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |
| Ik Degree Of Protection | IK07 conforming to IEC 62262 |
| Ambient Air Temperature For Operation | -25...70 °C |
| Ambient Air Temperature For Storage | -40...85 °C |
| Relative Humidity | 0...95 % |
| Operating Altitude | 2000 m without derating 5000 m with derating |

Packing Units

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|-------------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 15.0 cm |
| Package 1 Width | 13.0 cm |
| Package 1 Length | 19.0 cm |
| Package 1 Weight | 1.62 kg |
| Unit Type Of Package 2 | S03 |
| Number Of Units In Package 2 | 4 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 6.88 kg |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



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 [End of Life Information](#)