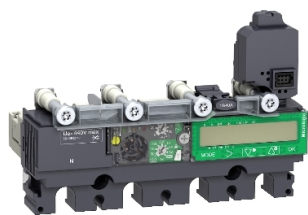# Product data sheet

Specifications

## trip unit MicroLogic 7.2 E for ComPact NSX 100/160/250 circuit breakers, electronic, rating 40A, 4 poles 4d

LV433879

(!) **Discontinued**

(!) Discontinued on: Oct 26, 2023

**Important message: This product has been switched to new ComPacT range and is no longer commercialized. It will continue to be available in H1 2023 only limited to specific projects.**

## Main

| | |
|---|---|
| **Range** | ComPact |
| **Range Of Product** | ComPact NSX100...250 |
| **Product Or Component Type** | Trip unit |
| **Trip Unit Name** | MicroLogic 7.2 E |
| **Trip Unit Technology** | Electronic |
| **Range Compatibility** | ComPact NSX100<br>ComPact NSX160<br>ComPact NSX250 |
| **Device Application** | Distribution |
| **Number Of Poles** | 4P |
| **Protected Poles Description** | 4t<br>3t<br>3t + N/2<br>3t + OSN |
| **Neutral Position** | Left |
| **Trip Unit Protection Functions** | LSIR |
| **Protection Type** | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection<br>R : for earth-leakage protection |
| **Trip Unit Rated Current** | 40 A at 40 °C |
| **[Ue] Rated Operational Voltage** | 440 V AC 50/60 Hz |
| **Network Type** | AC |
| **Network Frequency** | 50/60 Hz |

## Complementary

| | |
|---|---|
| **Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)** | Adjustable 9 settings |
| **[Ir] Long-Time Protection Pick-Up Adjustment Range** | 18...40 A |
| **Long-Time Protection Delay Adjustment Type Tr** | Adjustable |
| **[Tr] Long-Time Protection Delay Adjustment Range** | 15…400 s at 1.5 x Ir<br>0.35…11 s at 7.2 x Ir<br>0.5…16 s at 6 x Ir |

| | |
|---|---|
| **Thermal Memory** | 20 minutes before and after tripping |
| **Short-Time Protection Pick-Up Adjustment Type Isd** | Adjustable |
| **[Isd] Short-Time Protection Pick-Up Adjustment Range** | 1.5...10 x Ir |
| **Short-Time Protection Delay Adjustment Type Tsd** | Adjustable |
| **[Tsd] Short-Time Protection Delay Adjustment Range** | 0…0.4 s |
| **Instantaneous Protection Pick-Up Adjustment Type Ii** | Adjustable |
| **[Ii] Instantaneous Protection Pick-Up Adjustment Range** | 600 A |
| **Earth-Leakage Protection** | Integrated |
| **Earth-Leakage Protection Class** | Class A |
| **Earth-Leakage Protection Sensity Adjustment Type Iδn** | Adjustable |
| **[Iδn] Earth-Leakage Protection Sensitivity Adjustment Range** | 100 mA<br>3 A<br>500 mA<br>5 A<br>30 mA<br>300 mA<br>1 A |
| **Earth-Leakage Protection Specific Mode** | OFF using the IΔn rotary switch |
| **Earth-Leakage Protection Time Delay Adjustement Type Δt** | Adjustable |
| **[Δt] Earth-Leakage Protection Time Delay Adjustment Range** | 500 ms<br>0 ms<br>150 ms<br>60 ms<br>1 s |
| **Neutral Protection Settings** | 0.5 x Ir (3t + N/2)<br>1 x Ir (4t)<br>1.6 x Ir (3t + OSN)<br>No protection (3t) |
| **Zone Selective Interlocking Zsi** | Without |
| **Local Signalling** | Flashing LED (green) for ready to operate<br>LED 105 % Ir (red) for overload<br>LED 90 % Ir (orange) for overload |
| **Display Type** | LCD display |
| **Type Of Measurement** | Energy meter |
| **Communication Of Data** | Maintenance indicators<br>Instantaneous and demand values<br>Time-stamped histories and event tables<br>Maximeters/minimeters<br>Earth leakage current<br>Demand current and power<br>Power quality<br>Test reports<br>Protection and alarm settings<br>Energy metering |

# Environment

| | |
|---|---|
| **Standards** | NEMA AB1<br>UL 508<br>EN 60947-2<br>IEC 60947-2 |
| **Product Certifications** | CB<br>CCC<br>EAC |
| **Pollution Degree** | 3 conforming to IEC 60947-1 |

Life Is On | Schneider Electric

| | |
|---|---|
| **Ip Degree Of Protection** | IP40 conforming to IEC 60529 |
| **Ambient Air Temperature For Operation** | -25…70 °C |
| **Ambient Air Temperature For Storage** | -40…85 °C |

# Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 9.5 cm |
| **Package 1 Width** | 11.0 cm |
| **Package 1 Length** | 15.0 cm |
| **Package 1 Weight** | 806.0 g |
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 10 |
| **Package 2 Height** | 30.0 cm |
| **Package 2 Width** | 30.0 cm |
| **Package 2 Length** | 40.0 cm |
| **Package 2 Weight** | 8.488 kg |

# Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

# 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-$CO_2$ 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

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | End of Life Information |
| **California Proposition 65** | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov |