

# Product datasheet

Specifications



trip unit MicroLogic 5.2 E for  
ComPact NSX 250 circuit breakers.  
electronic. rating 250A. 4 poles 4d

LV431496

⚠ Discontinued on: 02 Jan 2024

⚠ Discontinued

Price: 6,479.13 ZAR

## Main

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range                          | ComPact                                                                                                                                  |
| Range Of Product               | ComPact NSX100...250                                                                                                                     |
| Product Or Component Type      | Trip unit                                                                                                                                |
| Trip Unit Name                 | MicroLogic 5.2 E                                                                                                                         |
| Trip Unit Technology           | Electronic                                                                                                                               |
| Range Compatibility            | ComPact NSX250                                                                                                                           |
| Device Application             | Distribution                                                                                                                             |
| Number Of Poles                | 4P                                                                                                                                       |
| Protected Poles Description    | 3t + OSN<br>4t<br>3t<br>3t + N/2                                                                                                         |
| Neutral Position               | Left                                                                                                                                     |
| Trip Unit Protection Functions | LSI                                                                                                                                      |
| Protection Type                | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection |
| Trip Unit Rated Current        | 250 A at 40 °C                                                                                                                           |
| [Ue] Rated Operational Voltage | 690 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        | 100...250 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 9 settings                                                     |
| [Isd] Short-Time Protection Pick-Up Adjustment Range      | 1.5...10 x Ir                                                             |
| Short-Time Protection Delay Adjustment Type Tsd           | Adjustable                                                                |

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

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

|                                                        |                                                                                                                                                                                                                                |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Tsd] Short-Time Protection Delay Adjustment Range     | 0...0.4 s I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on                                                                                                                                                              |
| Instantaneous Protection Pick-Up Adjustment Type li    | Adjustable                                                                                                                                                                                                                     |
| [li] Instantaneous Protection Pick-Up Adjustment Range | 1.5...12 x I <sub>n</sub>                                                                                                                                                                                                      |
| Earth-Leakage Protection                               | Without                                                                                                                                                                                                                        |
| Neutral Protection Settings                            | 0.5 x I <sub>r</sub> (3t + N/2)<br>1 x I <sub>r</sub> (4t)<br>1.6 x I <sub>r</sub> (3t + OSN)<br>No protection (3t)                                                                                                            |
| Zone Selective Interlocking Zsi                        | With                                                                                                                                                                                                                           |
| Local Signalling                                       | Flashing LED (green) for ready to operate<br>LED 105 % I <sub>r</sub> (red) for overload<br>LED 90 % I <sub>r</sub> (orange) for overload                                                                                      |
| Display Type                                           | LCD display                                                                                                                                                                                                                    |
| Type Of Measurement                                    | Energy meter                                                                                                                                                                                                                   |
| Communication Of Data                                  | Energy metering<br>Demand current and power<br>Maintenance indicators<br>Instantaneous and demand values<br>Time-stamped histories and event tables<br>Protection and alarm settings<br>Power quality<br>Maximeters/minimeters |
| Electrical Data Recording                              | Maintenance indicators                                                                                                                                                                                                         |

## Environment

|                                       |                          |
|---------------------------------------|--------------------------|
| Standards                             | UL 508<br>EN/IEC 60947-2 |
| Product Certifications                | CCC<br>EAC<br>Marine     |
| 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             | 9.6 cm  |
| Package 1 Width              | 11.7 cm |
| Package 1 Length             | 15.1 cm |
| Package 1 Weight             | 700.0 g |
| Unit Type Of Package 2       | S03     |
| Number Of Units In Package 2 | 11      |
| Package 2 Height             | 30.0 cm |
| Package 2 Width              | 30.0 cm |
| Package 2 Length             | 40.0 cm |
| Package 2 Weight             | 7.8 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<sub>2</sub> 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 >](#)

## Well-being performance

|                                                                                                              |                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  Mercury Free               |                                                                                                                             |
|  Rohs Exemption Information | Yes                                                                                                                         |
| Reach Regulation                                                                                             | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive                                                                                            | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation                                                                                        | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Weee                                                                                                         | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |