

# Product data sheet

Specifications



trip unit MicroLogic 2.2 M for  
ComPact NSX 100/160/250 circuit  
breakers, electronic, rating 50 A, 3  
poles 3d

LV429172

! Discontinued

! Discontinued on: Dec 25, 2023

Important message: This product has been switched to new  
ComPacT range and is no longer commercialized.

## Main

|                                |  |
|--------------------------------|--|
| Range                          | ComPact  |
| Range Of Product               | ComPact NSX100...250   |
| Product Or Component Type      | Trip unit  |
| Trip Unit Name                 | MicroLogic 2.2 M   |
| Trip Unit Technology           | Electronic   |
| Range Compatibility            | ComPact NSX100<br>ComPact NSX160<br>ComPact NSX250   |
| Device Application             | Motor  |
| Number Of Poles                | 3P   |
| Protected Poles Description    | 3t   |
| Trip Unit Protection Functions | LSol   |
| Protection Type                | L : for overload protection (long time)<br>So : for short time short-circuit protection with fixed delay<br>I : for instantaneous short-circuit protection |
| Trip Unit Rated Current        | 50 A at 65 °C  |
| [Ue] Rated Operational Voltage | 690 V AC 50/60 Hz  |
| Network Type                   | AC   |
| Network Frequency              | 50/60 Hz   |

## Complementary

|   |                       |
|---|-----------------------|
| Motor Tripping Class                                      | 20<br>5<br>10         |
| Complementary Motor Protection                            | Phase unbalance       |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Adjustable 9 settings |
| [Ir] Long-Time Protection Pick-Up Adjustment Range        | 25...50 A             |
| Long-Time Protection Delay Adjustment Type Tr             | Fixed                 |

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

|  |  |
|--|--|
| [Tr] Long-Time Protection Delay Adjustment Range       | 120 s at 1.5 x Ir for trip class 5<br>6.5 s at 6 x Ir for trip class 5<br>5 s at 7.2 x Ir for trip class 5<br>240 s at 1.5 x Ir for trip class 10<br>13.5 s at 6 x Ir for trip class 10<br>10 s at 7.2 x Ir for trip class 10<br>480 s at 1.5 x Ir for trip class 20<br>26 s at 6 x Ir for trip class 20<br>20 s at 7.2 x Ir for trip class 20 |
| 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   | 5...13 x Ir  |
| Short-Time Protection Delay Adjustment Type Tsd        | Fixed  |
| [Tsd] Short-Time Protection Delay Adjustment Range     | 0.01 s   |
| Instantaneous Protection Pick-Up Adjustment Type Ii    | Fixed  |
| [Ii] Instantaneous Protection Pick-Up Adjustment Range | 750 A  |
| Earth-Leakage Protection                               | Without  |
| Zone Selective Interlocking Zsi                        | Without  |
| Local Signalling                                       | Flashing LED (green) for ready to operate<br>LED 95 % Ith (red) for temperature over set point   |

## Environment

|                                       |                          |
|---------------------------------------|--------------------------|
| Standards                             | UL 508<br>EN/IEC 60947-2 |
| Product Certifications                | Marine<br>CCC            |
| Ambient Air Temperature For Operation | -25...70 °C              |
| Ambient Air Temperature For Storage   | -50...85 °C              |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 6.4 cm    |
| Package 1 Width              | 9.6 cm    |
| Package 1 Length             | 11.2 cm   |
| Package 1 Weight             | 439.0 g   |
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 28        |
| Package 2 Height             | 30.0 cm   |
| Package 2 Width              | 30.0 cm   |
| Package 2 Length             | 40.0 cm   |
| Package 2 Weight             | 12.711 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 >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

## Certifications & Standards

|                           |   |
|---------------------------|---|
| 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       |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| California Proposition 65 | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                  |