

# Product data sheet

Specifications



## trip unit MicroLogic 2.2 M for ComPact NSX 160/250 circuit breakers, electronic, rating 150 A, 3 poles 3d

LV430520

! Discontinued

! Discontinued on: Jun 15, 2023

**Product availability: Non-Stock - Not normally stocked in distribution facility**

**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 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        | 150 A 149 °F (65 °C)                                                                                                                                       |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz                                                                                                                                          |
| Network type                   | AC                                                                                                                                                         |
| Network Frequency              | 50/60 Hz                                                                                                                                                   |

## Complementary

|                                                           |                       |
|-----------------------------------------------------------|-----------------------|
| Motor tripping class                                      | 10<br>5<br>20         |
| 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        | 70...150 A            |
| Long-time protection delay adjustment type tr             | Fixed                 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|                                                               |                                                                                                                                                                              |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[tr] long-time protection delay adjustment range</b>       | 120 s 1.5 x Ir 5<br>6.5 s 6 x Ir 5<br>5 s 7.2 x Ir 5<br>240 s 1.5 x Ir 10<br>13.5 s 6 x Ir 10<br>10 s 7.2 x Ir 10<br>480 s 1.5 x Ir 20<br>26 s 6 x Ir 20<br>20 s 7.2 x Ir 20 |
| <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>   | 5...13 x Ir                                                                                                                                                                  |
| <b>Short-time protection delay adjustment type tsd</b>        | Fixed                                                                                                                                                                        |
| <b>[tsd] Short-time protection delay adjustment range</b>     | 0.01 s                                                                                                                                                                       |
| <b>Instantaneous protection pick-up adjustment type Ii</b>    | Fixed                                                                                                                                                                        |
| <b>[Ii] instantaneous protection pick-up adjustment range</b> | 2250 A                                                                                                                                                                       |
| <b>Earth-leakage protection</b>                               | Without                                                                                                                                                                      |
| <b>Zone selective interlocking ZSI</b>                        | Without                                                                                                                                                                      |
| <b>Local signalling</b>                                       | for ready to operate flashing LED (green)<br>for temperature over set point LED 95 % lth (red)                                                                               |

## Environment

|                                              |                            |
|----------------------------------------------|----------------------------|
| <b>Standards</b>                             | EN/IEC 60947-2<br>UL 508   |
| <b>Product Certifications</b>                | EAC<br>CCC<br>Marine       |
| <b>Ambient air temperature for operation</b> | -13...158 °F (-25...70 °C) |
| <b>Ambient Air Temperature for Storage</b>   | -58...185 °F (-50...85 °C) |

## Ordering and shipping details

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10DE201101  |
| <b>Discount Schedule</b> | 0DE2          |
| <b>GTIN</b>              | 3606480017438 |
| <b>Returnability</b>     | No            |
| <b>Country of origin</b> | CN            |

## Packing Units

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Unit Type of Package 1</b>       | PCE               |
| <b>Number of Units in Package 1</b> | 1                 |
| <b>Package 1 Height</b>             | 2.52 in (6.4 cm)  |
| <b>Package 1 Width</b>              | 3.82 in (9.7 cm)  |
| <b>Package 1 Length</b>             | 4.37 in (11.1 cm) |
| <b>Package 1 Weight</b>             | 15.5 oz (440.0 g) |
| <b>Unit Type of Package 2</b>       | S03               |
| <b>Number of Units in Package 2</b> | 28                |

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|                         |                       |
|-------------------------|-----------------------|
| <b>Package 2 Height</b> | 11.81 in (30.0 cm)    |
| <b>Package 2 Width</b>  | 11.81 in (30.0 cm)    |
| <b>Package 2 Length</b> | 15.75 in (40.0 cm)    |
| <b>Package 2 Weight</b> | 28.0 lb(US) (12.7 kg) |

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## **Contractual warranty**

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|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle) 68

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 9cd110c5-7f48-4bb3-91b8-ba77f361496d

California proposition 65 **WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.