

# Product datasheet

Specifications



Trip unit MicroLogic 4.2 for  
ComPacT NSX 100/160/250 circuit  
breakers, electronic, rating 100A, 3  
poles 3d

C1034V100

ⓘ To be discontinued

ⓘ Discontinued on: 1 Dec 2024

## Main

|                                |  |
|--------------------------------|--|
| Range                          | ComPacT  |
| Range of product               | ComPacT NSX100...250   |
| Product or component type      | Trip unit  |
| Trip unit name                 | MicroLogic 4.2   |
| Trip unit technology           | Electronic   |
| Range compatibility            | ComPacT NSX160<br>ComPacT NSX100<br>ComPacT NSX250   |
| Device application             | Distribution   |
| Poles description              | 3P   |
| Protected poles description    | 3D   |
| Trip unit protection functions | LSolR  |
| 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<br>R : for earth-leakage protection |
| Trip unit rating               | 100 A at 40 °C   |
| [Ue] rated operational voltage | 440 V AC 50/60 Hz  |
| Network type                   | AC   |
| Network frequency              | 50/60 Hz   |
| Circuit breaker mounting mode  | Fixed  |

## Complementary

|  |   |
|--|---|
| Long-time pick-up adjustment type $I_r$ (thermal protection) | Adjustable 9 settings   |
| [ $I_r$ ] long-time protection pick-up adjustment range      | 40...100 A  |
| Long-time protection delay adjustment type $t_r$             | Fixed   |
| [ $t_r$ ] long-time protection delay adjustment range        | 11 s at $7.2 \times I_r$<br>16 s at $6 \times I_r$<br>400 s at $1.5 \times I_r$ |
| Thermal memory   | 20 minutes before and after tripping  |
| Short-time protection pick-up adjustment type $I_{sd}$       | Adjustable  |
| [ $I_{sd}$ ] Short-time protection pick-up adjustment range  | 1.5...10 x $I_r$  |

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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

|   |  |
|---|--|
| Short-time protection delay adjustment type tsd                       | Fixed  |
| Instantaneous protection pick-up adjustment type li                   | Fixed  |
| [li] instantaneous protection pick-up adjustment range                | 1500 A   |
| Earth-leakage protection  | Integrated   |
| Earth-leakage protection class  | Class A  |
| Earth-leakage protection sensitivity adjustment type $I\Delta n$      | Adjustable   |
| [ $I\Delta n$ ] earth-leakage protection sensitivity adjustment range | 0.03 A<br>0.1 A<br>0.3 A<br>0.5 A<br>1 A<br>3 A<br>5 A   |
| Earth-leakage protection specific mode                                | OFF using the $I\Delta n$ rotary switch  |
| Earth-leakage protection time delay adjustment type $\Delta t$        | Adjustable   |
| [ $\Delta t$ ] Earth-leakage protection time delay adjustment range   | 0 ms<br>60 ms<br>150 ms<br>500 ms<br>1 s   |
| 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<br>Color indicator (yellow) for residual current |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2               |
| Electrical shock protection class     | Class II                     |
| Pollution degree                      | 3 conforming to IEC 60947-1  |
| 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             | 602.0 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 |

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Package 2 Weight

6.41 kg

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.eq.CO<sub>2</sub> per CR, Total Life cycle) **19**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Recycled metal content at CR level **0**

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Compliant with Exemptions**

SCIP Number **30a1d9f8-4e01-4af5-9e39-37da28e21fa3**

[REACH Regulation](#) **REACH Declaration**

Halogen content performance **Product contains halogen above thresholds**

PVC free **Yes**

Silicon free **No**

## Use Longer

### Lifetime extension

Upgradeability **No**

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back **No**

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