

# Product datasheet

Specifications



## trip unit MicroLogic 5.0 A, ComPact NS630b to NS3200 fixed, selective protections

Local distributor code:

383429832

33512

⚠ Discontinued on: 31 Mar 2024

⚠ To be discontinued

EAN Code: 3303430335122

## Main

|                                |  |
|--------------------------------|--|
| Range                          | ComPacT  |
| Range of product               | ComPacT NS630b...1600 new generation   |
| Product or component type      | Trip unit  |
| Trip unit name                 | MicroLogic 5.0 A   |
| Trip unit technology           | Electronic   |
| Range compatibility            | ComPacT NS630b...1600  |
| Device application             | Distribution   |
| Number of poles                | 4P<br>3P   |
| Protected poles description    | 3t + N/2<br>4t<br>3t   |
| Trip unit protection functions | Selective protection   |
| Protection type                | for short time short-circuit protection<br>for overload protection (long time)<br>for instantaneous short-circuit protection                       |
| Trip unit rating               | 630 A at 50 °C<br>800 A at 50 °C<br>1000 A at 50 °C<br>1250 A at 50 °C<br>1600 A at 50 °C<br>2000 A at 50 °C<br>2500 A at 50 °C<br>3200 A at 50 °C |
| Network type                   | AC   |
| Network frequency              | 50/60 Hz   |
| Circuit breaker mounting mode  | Fixed  |

## Complementary

|   |  |
|---|--|
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 9 settings  |
| [Ir] long-time protection pick-up adjustment range        | 0.4...1 x In   |
| Long-time protection delay adjustment type tr             | Adjustable 9 settings  |
| [tr] long-time protection delay adjustment range          | 0.7...16.6 s at 7.2 x Ir<br>0.7...24 s at 6 x Ir<br>12.5...600 s at 1.5 x Ir |
| Thermal memory  | 20 mn  |
| Short-time protection pick-up adjustment type Isd         | Adjustable 9 settings  |

|  |   |
|--|---|
| <b>[I<sub>sd</sub>] Short-time protection pick-up adjustment range</b> | 1.5...10 x I <sub>r</sub>   |
| <b>Short-time protection delay adjustment type tsd</b>                 | Adjustable  |
| <b>[tsd] Short-time protection delay adjustment range</b>              | 0...0.4 s I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on   |
| <b>Instantaneous protection pick-up adjustment type li</b>             | Adjustable 9 settings   |
| <b>[li] instantaneous protection pick-up adjustment range</b>          | 2...15 x I <sub>n</sub><br>Off                                      |
| <b>Earth-leakage protection</b>  | Without   |
| <b>Zone selective interlocking ZSI</b>                                 | With  |
| <b>Local signalling</b>  | 3 LEDs (red) for electrical fault<br>1 LED (red) for internal error |
| <b>Display type</b>  | Digital display   |
| <b>Type of measurement</b>   | Ammeter   |
| <b>Communication of data</b>   | Measurement readout<br>Protection and alarm settings                |

## Environment

|  |             |
|--|-------------|
| <b>Ambient air temperature for operation</b> | -25...70 °C |
| <b>Ambient air temperature for storage</b>   | -40...85 °C |

## Packing Units

|                                     |         |
|-------------------------------------|---------|
| <b>Unit Type of Package 1</b>       | PCE     |
| <b>Number of Units in Package 1</b> | 1       |
| <b>Package 1 Height</b>             | 6.7 cm  |
| <b>Package 1 Width</b>              | 7.9 cm  |
| <b>Package 1 Length</b>             | 21.6 cm |
| <b>Package 1 Weight</b>             | 268.0 g |

## Contractual warranty

|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 18 |
|-----------------------------|----|



## 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

|  |   |
|--|---|
| Total lifecycle Carbon footprint                       | 26 kg CO2 eq.                                 |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |
| Carbon footprint of the manufacturing phase [A1 to A3] | 16 kg CO2 eq.                                 |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 9 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.6 kg CO2 eq.                                |

### Use Better



### Materials and Substances

|  |   |
|--|---|
| Packaging made with recycled cardboard | Yes   |
| Packaging without single use plastic   | No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions   |
| SCIP Number                            | 6ac3934d-9e20-40a3-edef-08cec90e29e2  |
| REACH Regulation                       | <a href="#">REACH Declaration</a>   |
| Halogen-free status                    | Product contains halogen above thresholds   |
| PVC free                               | No  |

### Use Longer




### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

### Use Again



### Repack and remanufacture

|                                 |   |
|---------------------------------|---|
| Recyclability potential, in %   | 3   |
| End of life manual availability | <a href="#">End of Life Information</a>   |
| Removable battery               | User replaceable  |
| Take-back                       | No  |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

