

# Product datasheet

Specifications



control unit Micrologic 7.0 H,  
selective and earth leakage  
protections LSIV, harmonic meter  
measurement

47063

## Main

|                                |                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product or component type      | Control unit                                                                                                                                                                                                |
| Trip unit name                 | MicroLogic 7.0 H                                                                                                                                                                                            |
| Trip unit technology           | Electronic                                                                                                                                                                                                  |
| Range compatibility            | MasterPact NT<br>MasterPact NW<br>Masterpact MT                                                                                                                                                             |
| Device application             | Distribution                                                                                                                                                                                                |
| Number of poles                | 4P<br>3P                                                                                                                                                                                                    |
| Protected poles description    | 4t<br>3t<br>3t + N/2                                                                                                                                                                                        |
| Trip unit protection functions | Selective + earth-leakage protection                                                                                                                                                                        |
| Protection type                | for overload protection (long time)<br>for short time short-circuit protection<br>for instantaneous short-circuit protection<br>for earth-leakage 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<br>4000 A at 50 °C<br>5000 A at 50 °C<br>6300 A at 50 °C |
| Network type                   | AC                                                                                                                                                                                                          |
| Network frequency              | 50/60 Hz                                                                                                                                                                                                    |
| Circuit breaker mounting mode  | Fixed<br>Drawout                                                                                                                                                                                            |

## 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                                                                        |

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

|                                                                          |                                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Short-time protection pick-up adjustment type $I_{sd}$                   | Adjustable 9 settings                                                          |
| [ $I_{sd}$ ] Short-time protection pick-up adjustment range              | 1.5...10 x $I_r$                                                               |
| Short-time protection delay adjustment type $t_{sd}$                     | Adjustable                                                                     |
| [ $t_{sd}$ ] Short-time protection delay adjustment range                | 0...0.4 s $I^2t=off$<br>0.1...0.4 s $I^2t=on$                                  |
| Instantaneous protection pick-up adjustment type $I_i$                   | Adjustable 9 settings                                                          |
| [ $I_i$ ] instantaneous protection pick-up adjustment range              | 2...15 x $I_n$<br>Off                                                          |
| Earth-leakage protection                                                 | Integrated                                                                     |
| Earth-leakage protection sensitivity adjustment type $I_{\Delta n}$      | Adjustable 9 settings                                                          |
| [ $I_{\Delta n}$ ] earth-leakage protection sensitivity adjustment range | 0.5...30 A                                                                     |
| Earth-leakage sensitivity                                                | 10 A for class A<br>30 A for class AC                                          |
| Earth-leakage protection time delay adjustment type $\Delta t$           | Adjustable 5 settings                                                          |
| [ $\Delta t$ ] Earth-leakage protection time delay adjustment range      | 60...800 ms                                                                    |
| Zone selective interlocking ZSI                                          | With                                                                           |
| Local signalling                                                         | 3 LEDs (red) for electrical fault<br>1 LED (red) for internal error            |
| Display type                                                             | Digital display                                                                |
| Type of measurement                                                      | Harmonics meter<br>Power meter                                                 |
| Communication of data                                                    | Measurement readout<br>Protection and alarm settings<br>Maintenance indicators |

## Environment

|                                       |             |
|---------------------------------------|-------------|
| 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             | 7.100 cm  |
| Package 1 Width              | 8.600 cm  |
| Package 1 Length             | 21.800 cm |
| Package 1 Weight             | 322.000 g |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 15        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 5.317 kg  |

# Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 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                       | 32 kg CO2 eq.                                 |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |
| Carbon footprint of the manufacturing phase [A1 to A3] | 20 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]     | 12 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.7 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 |
| SCIP Number                            | 6ac3934d-9e20-40a3-edef-08cec90e29e2                                                                                                  |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</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 |

