

# Product datasheet

Specifications



## control unit Micrologic 5.0 A, for Masterpact NT/NW, LSI protections

33072

### Main

|                                |                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product or component type      | Control unit                                                                                                                                                                                                |
| Trip unit name                 | MicroLogic 5.0 A                                                                                                                                                                                            |
| Trip unit technology           | Electronic                                                                                                                                                                                                  |
| Range compatibility            | MasterPact NT<br>MasterPact NW<br>Compact NS<br>Masterpact MT<br>PowerPact P-Frame<br>PowerPact R-Frame                                                                                                     |
| Device application             | Distribution                                                                                                                                                                                                |
| Number of poles                | 3P<br>4P                                                                                                                                                                                                    |
| Protected poles description    | 4t<br>3t<br>3t + N/2                                                                                                                                                                                        |
| 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<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 |

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

|                                                        |                                                                     |
|--------------------------------------------------------|---------------------------------------------------------------------|
| Thermal memory                                         | 20 mn                                                               |
| Short-time protection pick-up adjustment type Isd      | Adjustable 9 settings                                               |
| [Isd] Short-time protection pick-up adjustment range   | 1.5...10 x Ir                                                       |
| Short-time protection delay adjustment type tsd        | Adjustable                                                          |
| [tsd] Short-time protection delay adjustment range     | 0...0.4 s I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on   |
| Instantaneous protection pick-up adjustment type Ii    | Adjustable 9 settings                                               |
| [Ii] instantaneous protection pick-up adjustment range | 2...15 x In<br>Off                                                  |
| Earth-leakage protection                               | Without                                                             |
| 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                                    | Ammeter                                                             |
| Communication of data                                  | Measurement readout<br>Protection and alarm settings                |

## 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             | 6.600 cm  |
| Package 1 Width              | 8.100 cm  |
| Package 1 Length             | 21.600 cm |
| Package 1 Weight             | 248.000 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             | 4.170 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 120       |
| Package 3 Height             | 75.000 cm |
| Package 3 Width              | 60.000 cm |
| Package 3 Length             | 80.000 cm |
| Package 3 Weight             | 40.360 kg |

## Contractual warranty

Warranty

18 months

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.CO2 per CR, Total Life cycle) | 25                                            |
| Environmental Disclosure                              | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                           |
|----------------------------------------|-------------------------------------------|
| Recycled metal content at CR level     | 0                                         |
| Packaging made with recycled cardboard | Yes                                       |
| Packaging without single use plastic   | No                                        |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions                 |
| SCIP Number                            | 6ac3934d-9e20-40a3-edef-08cec90e29e2      |
| REACH Regulation                       | <a href="#">REACH Declaration</a>         |
| Halogen content performance            | Product contains halogen above thresholds |
| PVC free                               | No                                        |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Removable battery        | User replaceable                                                                                                                                                                                                |
| Take-back                | No                                                                                                                                                                                                              |
| WEEE                     |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |