

# Product data sheet

Specifications



control unit Micrologic 6.0 A,  
selective and earth fault protections  
LSIG, ammeter measurement

33073

## Main

|                                |   |
|--------------------------------|---|
| Product or component type      | Control unit  |
| Trip unit name                 | MicroLogic 6.0 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 + earth-fault protection  |
| Protection type                | for overload protection (long time)<br>for short time short-circuit protection<br>for instantaneous short-circuit protection<br>for earth fault   |
| 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   |
| 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 li      | Adjustable 9 settings   |
| [li] instantaneous protection pick-up adjustment range   | 2...15 x In<br>Off  |
| Ground-fault protection pick-up adjustment type lg       | Adjustable 9 settings   |
| [lg] ground-fault protection pick-up adjustment range    | 0.2...1 x In for 400 A < In < 1250 A<br>0.3...1 x In for In <= 400 A<br>500...1200 A for In >= 1250 A |
| Ground-fault protection time delay adjustment type tg    | Adjustable  |
| [Tg] ground-fault protection time 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                                     |
| 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 |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>   |
| Mercury free               | Yes  |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information  |
| RoHS exemption information | <a href="#">Yes</a>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins  |
| PVC free                   | Yes  |
| California proposition 65  | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Contractual warranty

Warranty18 months

Recommended replacement(s)