

# Product datasheet

Specifications



## control unit Micrologic 5.0 E, for Masterpact NT/NW, LI protections

47602

### Main

<b>Product or component type</b>	Control unit
<b>Trip unit name</b>	Micrologic 5.0 E
<b>Trip unit technology</b>	Electronic
<b>Range compatibility</b>	MasterPact NT MasterPact NW Compact NS Masterpact MT
<b>Device application</b>	Distribution
<b>Number of poles</b>	3P 4P
<b>Protected poles description</b>	4t 3t 3t + N/2
<b>Trip unit protection functions</b>	Selective protection
<b>Protection type</b>	for short time short-circuit protection for overload protection (long time) for instantaneous short-circuit protection
<b>Trip unit rating</b>	630 A at 50 °C 800 A at 50 °C 1000 A at 50 °C 1250 A at 50 °C 1600 A at 50 °C 2000 A at 50 °C 2500 A at 50 °C 3200 A at 50 °C 4000 A at 50 °C 5000 A at 50 °C 6300 A at 50 °C
<b>Network type</b>	AC
<b>Network frequency</b>	50/60 Hz
<b>Circuit breaker mounting mode</b>	Fixed Drawout

### Complementary

<b>Long-time pick-up adjustment type I<sub>r</sub> (thermal protection)</b>	Adjustable 9 settings
<b>[I<sub>r</sub>] long-time protection pick-up adjustment range</b>	0.4...1 x I <sub>n</sub>
<b>Long-time protection delay adjustment type t<sub>r</sub></b>	Adjustable 9 settings
<b>[T<sub>r</sub>] long-time protection delay adjustment range</b>	0.7...16.6 s at 7.2 x I <sub>r</sub> 0.7...24 s at 6 x I <sub>r</sub>

12.5...600 s at 1.5 x I<sub>r</sub>

Thermal memory	20 mn
Short-time protection pick-up adjustment type I <sub>sd</sub>	Adjustable 9 settings
[I <sub>sd</sub> ] Short-time protection pick-up adjustment range	1.5...10 x I <sub>r</sub>
Short-time protection delay adjustment type t <sub>sd</sub>	Adjustable
[T <sub>sd</sub> ] Short-time protection delay adjustment range	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
Instantaneous protection pick-up adjustment type I <sub>i</sub>	Adjustable 9 settings
[I <sub>i</sub> ] instantaneous protection pick-up adjustment range	2...15 x I <sub>n</sub> Off
Earth-leakage protection	Without
Zone selective interlocking ZSI	With
Local signalling	3 LEDs (red) for electrical fault 1 LED (red) for internal error
Display type	Digital display
Type of measurement	Energy meter
Communication of data	Measurement readout 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 Weight	286.0 g
Package 1 Height	6.8 cm
Package 1 width	8 cm
Package 1 Length	22 cm
Unit Type of Package 2	S03
Number of Units in Package 2	15
Package 2 Weight	4.777 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

---

<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
------------------------------	---

---

<b>PVC free</b>	Yes
-----------------	-----

---

**Contractual warranty**

---

<b>Warranty</b>	18 months
-----------------	-----------

---