

# Product datasheet

Specifications



## Circuit breaker trip unit, Micrologic 5.0 H, for Masterpact NT UL 489 drawout, LSI

64871

### Main

Range	MasterPact
Range of product	MasterPact NT UL 489
Product or component type	Control unit
Trip unit name	MicroLogic 5.0 H
Trip unit technology	Electronic
Range compatibility	Masterpact NT08...12 UL 489
Device application	Distribution
Number of poles	4P 3P
Protected poles description	4t 3t 3t + N/2
Trip unit protection functions	Selective protection
Protection type	for short time short-circuit protection for overload protection (long time) for instantaneous short-circuit protection
Trip unit rating	800 A at 50 °C 1200 A at 50 °C
Network type	AC
Network frequency	50/60 Hz
Circuit breaker mounting mode	Drawout

### Complementary

Long-time pick-up adjustment type $I_r$ (thermal protection)	Adjustable 9 settings
[ $I_r$ ] long-time protection pick-up adjustment range	0.4...1 x $I_n$
Long-time protection delay adjustment type $t_r$	Adjustable 9 settings
[ $t_r$ ] long-time protection delay adjustment range	0.7...16.6 s at 7.2 x $I_r$ 0.7...24 s at 6 x $I_r$ 12.5...600 s at 1.5 x $I_r$
Thermal memory	20 mn
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 $I^2t=off$ 0.1...0.4 s $I^2t=on$

<b>Instantaneous protection pick-up adjustment type li</b>	Adjustable 9 settings
<b>[li] instantaneous protection pick-up adjustment range</b>	Off 2...15 x In
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	With
<b>Local signalling</b>	3 LEDs (red) for electrical fault 1 LED (red) for internal error
<b>Display type</b>	Digital display
<b>Type of measurement</b>	Harmonics meter Power meter
<b>Communication of data</b>	Measurement readout Protection and alarm settings Maintenance indicators

## Environment

<b>Standards</b>	UL 489
<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>	5.5 cm
<b>Package 1 Width</b>	5.0 cm
<b>Package 1 Length</b>	150.0 cm
<b>Package 1 Weight</b>	600.0 g

## Contractual warranty

<b>Warranty (in months)</b>	18
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## 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 >](#)

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	951cdf6a-bfa5-4dd0-b3fd-3e64c3da0d2f
EU RoHS Directive	<a href="#">Compliant By Exemption</a>

### Use Longer

#### Lifetime extension

Repair	No
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### Use Again

#### Repack and remanufacture

End of life manual availability	No need of specific recycling operations
Take-back	Nej
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins