

Product datasheet

Specifications



Circuit breaker trip unit, Micrologic 6.0 A, for Masterpact NT UL 489 drawout, LSIG

64867

Main

| | |
|--------------------------------|---|
| Range | MasterPact |
| Range of product | MasterPact NT UL 489 |
| Product or component type | Control unit |
| Trip unit name | MicroLogic 6.0 A |
| Trip unit technology | Electronic |
| Range compatibility | Masterpact NT08...12 UL 489 |
| Device application | Distribution |
| Number of poles | 3P 4P |
| Protected poles description | 4t 3t 3t + N/2 |
| Trip unit protection functions | Selective + earth-fault protection |
| Protection type | for overload protection (long time) for short time short-circuit protection for instantaneous short-circuit protection for earth fault |
| 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_{r2} =off 0.1...0.4 s I_{r2} =on |

| | |
|--|---|
| Instantaneous protection pick-up adjustment type li | Adjustable 9 settings |
| [li] instantaneous protection pick-up adjustment range | 2...15 x In Off |
| Ground-fault protection pick-up adjustment type Ig | Adjustable 9 settings |
| [Ig] ground-fault protection pick-up adjustment range | 0.2...1 x In for 400 A < In < 1250 A 0.3...1 x In for In ≤ 400 A 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 ² t=off 0.1...0.4 s I ² t=on |
| 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 | Ammeter |
| Communication of data | Measurement readout Protection and alarm settings |

Environment

| | |
|---------------------------------------|-------------|
| Standards | UL 489 |
| 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 | 5.5 cm |
| Package 1 Width | 5.0 cm |
| Package 1 Length | 110.0 cm |
| Package 1 Weight | 600.0 g |

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 >](#)

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 | Compliant By Exemption |

Use Longer




Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

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 |