

Product datasheet

Specifications



Circuit breaker trip unit, Micrologic 6.0 P, for Masterpact NW UL 489 drawout, LSIG

64861

Main

Range	MasterPact
Range of product	MasterPact NW UL 489
Product or component type	Control unit
Trip unit name	MicroLogic 6.0 P
Trip unit technology	Electronic
Range compatibility	Masterpact NW08...50 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 1600 A at 50 °C 2000 A at 50 °C 2500 A at 50 °C 3000 A at 50 °C 4000 A at 50 °C 5000 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 _r ² =off 0.1...0.4 s I _r ² =on
Instantaneous protection pick-up adjustment type I_i	Adjustable 9 settings
[I_i] instantaneous protection pick-up adjustment range	Off 2...15 x I _n
Ground-fault protection pick-up adjustment type I_g	Adjustable 9 settings
[I_g] ground-fault protection pick-up adjustment range	0.2...1 x I _n for 400 A < I _n < 1250 A 0.3...1 x I _n for I _n ≤ 400 A 500...1200 A for I _n ≥ 1250 A
Ground-fault protection time delay adjustment type t_g	Adjustable
[t_g] ground-fault protection time delay adjustment range	0...0.4 s I _r ² =off 0.1...0.4 s I _r ² =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	Power meter
Communication of data	Measurement readout Protection and alarm settings Maintenance indicators

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	220.000 cm
Package 1 Width	5.500 cm
Package 1 Length	5.000 cm
Package 1 Weight	600.000 g
Unit Type of Package 2	P2M
Number of Units in Package 2	84
Package 2 Height	90.000 cm
Package 2 Width	200.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	65.400 kg

Contractual warranty



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

Take-back

Yes