

Product datasheet

Specifications



Circuit breaker trip unit, Micrologic 5.0 P, for Masterpact NW UL 489 drawout, LSI

64859

Main

Range	MasterPact
Range of product	MasterPact NW UL 489
Product or component type	Control unit
Trip unit name	MicroLogic 5.0 P
Trip unit technology	Electronic
Range compatibility	Masterpact NW08...50 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 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 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 0.7...24 s at 6 x Ir 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Short-time protection delay adjustment type tsd	Adjustable
[tsd] Short-time protection delay adjustment range	0...0.4 s I ² t=off 0.1...0.4 s I ² t=on
Instantaneous protection pick-up adjustment type li	Adjustable 9 settings
[li] instantaneous protection pick-up adjustment range	2...15 x I _n 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	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	5.5 cm
Package 1 Width	5.0 cm
Package 1 Length	200.0 cm
Package 1 Weight	600.0 g

Contractual warranty

Warranty (in months)	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

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No