

Product datasheet

Specifications



Circuit breaker trip unit, MicroLogic 3.0, standard, LI, without measurement

48814

⚠ Discontinued on: 1 Dec 2023

⚠ To be discontinued

Main

Range	MasterPact
Range of product	MasterPact NT UL 489 MasterPact NW UL 489
Product or component type	Control unit
Trip unit name	MicroLogic 3.0
Trip unit technology	Electronic
Range compatibility	Masterpact NT08...12 UL 489 Masterpact NW08...50 UL 489 PowerPact P-Frame PowerPact R-Frame
Device application	Distribution
Number of poles	3P 4P
Protected poles description	4t 3t 3t + N/2
Trip unit protection functions	Basic protection
Protection type	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	Fixed Drawout

Complementary

Long-time pick-up adjustment type I_r (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	0.4...1 x I_n 0.42...1 x I_n 0.48...64 x I_n 0.6...1 x I_n 0.66...82 x I_n 0.84...1 x I_n
Long-time protection delay adjustment type t_r	Adjustable 9 settings

[tr] long-time protection delay adjustment range	0.34...16.6 s at 7.2 x Ir 0.5...24 s at 6 x Ir 12.5...600 s at 1.5 x Ir
Thermal memory	20 mn
Instantaneous protection pick-up adjustment type li	Adjustable 9 settings
[li] instantaneous protection pick-up adjustment range	1.5...12 x In
Earth-leakage protection	Without
Zone selective interlocking ZSI	Without
Local signalling	3 LEDs (red) for electrical fault 1 LED (red) for internal error

Environment

Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.1 cm
Package 1 Width	8.3 cm
Package 1 Length	22.0 cm
Package 1 Weight	171.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	15
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.052 kg

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, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
EU RoHS Directive	Compliant By Exemption
PVC free	Yes

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins