

Product datasheet

Specifications



Circuit breaker trip unit, Micrologic 3.0, for Masterpact NT/NW Square D, LI protections

48816

⚠ Discontinued on: 23 Jan 2021

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Main

Range	MasterPact
Range of product	MasterPact NT MasterPact NW
Product or component type	Control unit
Trip unit name	MicroLogic 3.0
Trip unit technology	Electronic
Range compatibility	Masterpact NT06...16 Masterpact NW08...40 Masterpact NW40b...63
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 Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	0.4...1 x In 0.42...1 x In 0.48...64 x In 0.6...1 x In 0.66...82 x In 0.84...1 x In
Long-time protection delay adjustment type tr	Adjustable 9 settings

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

[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	161.0 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	2.902 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

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins