

Product data sheet

Specifications



Control unit, MicroLogic 3.0, basic protections LI, without measurement

48814

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 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	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	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

✓	Mercury Free	
✓	Rohs Exemption Information	Yes
✓	Pvc Free	
Reach Regulation	REACH Declaration	
Eu Rohs Directive	Compliant with Exemptions	
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
California Proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	