

Product datasheet

Specifications



control unit Micrologic 6.0 P, for Masterpact NW UL 489 drawout, LSIG protections

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 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

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

[Isd] Short-Time Protection Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Protection Delay Adjustment Type Tsd	Adjustable
[Tsd] Short-Time Protection Delay Adjustment Range	0...0.4 s I²t=off 0.1...0.4 s I²t=on
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable 9 settings
[Ii] Instantaneous Protection Pick-Up Adjustment Range	Off 2...15 x In
Ground-Fault Protection Pick-Up Adjustment Type Ig	Adjustable 9 settings
[Ig] Ground-Fault Protection Pick-Up Adjustment Range	0.2...1 x In for 400 A < In < 1250 A 0.3...1 x In for In <= 400 A 500...1200 A for In >= 1250 A
Ground-Fault Protection Time Delay Adjustment Type Tg	Adjustable
[Tg] Ground-Fault Protection Time Delay Adjustment Range	0...0.4 s I²t=off 0.1...0.4 s I²t=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	5.5 cm
Package 1 Width	5.0 cm
Package 1 Length	220.0 cm
Package 1 Weight	600.0 g

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
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information