

Product data sheet

Characteristics

47302

Micrologic 6.0 H trip unit - LSIG - for NT
drawout



Main

Range	Masterpact
Range of product	Masterpact NT
Product or component type	Control unit
Trip unit name	Micrologic 6.0 H
Trip unit technology	Electronic
Range compatibility	Masterpact NT06...16
Device application	Distribution
Number of poles	4P 3P
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	630 A at 50 °C 800 A at 50 °C 1000 A at 50 °C 1250 A at 50 °C 1600 A at 50 °C
Network type	AC
Network frequency	50/60 Hz
Circuit breaker mounting mode	Drawout

Complementary

Long-time pick-up adjustment type I_r (thermal protection)	Adjustable 9 settings
[I_r] long-time protection pick-up adjustment range	0.4...1 x I_n
Long-time protection delay adjustment type t_r	Adjustable 9 settings
[t_r] long-time protection delay adjustment range	0.7...16.6 S at 7.2 x I_r 0.7...24 S at 6 x I_r 12.5...600 s at 1.5 x I_r
Thermal memory	20 mn
Short-time protection pick-up adjustment type I_{sd}	Adjustable 9 settings
[I_{sd}] Short-time protection pick-up adjustment range	1.5...10 x I_r
Short-time protection delay adjustment type t_{sd}	Adjustable
[t_{sd}] Short-time protection delay adjustment range	0...0.4 S $I^2t=off$ 0.1...0.4 s $I^2t=on$
Instantaneous protection pick-up adjustment type I_i	Adjustable 9 settings
[I_i] instantaneous protection pick-up adjustment range	Off 2...15 x I_n
Ground-fault protection pick-up adjustment type I_g	Adjustable 9 settings
[I_g] ground-fault protection pick-up adjustment range	0.2...1 x I_n for 400 A < I_n < 1250 A 0.3...1 x I_n for I_n <= 400 A 500...1200 A for I_n >= 1250 A
Ground-fault protection time delay adjustment type t_g	Adjustable
[t_g] ground-fault protection time delay adjustment range	0...0.4 S $I^2t=off$ 0.1...0.4 s $I^2t=on$

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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	Harmonics meter Power meter
Communication of data	Measurement readout Protection and alarm settings Maintenance indicators

Environment

Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
PVC free	Yes

Contractual warranty

Warranty	18 months
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