

Product datasheet

Specifications



control unit Micrologic 6.0 P,
selective and earth fault protections
LSIG, power meter measurement

47059

Main

Product or component type	Control unit
Trip unit name	MicroLogic 6.0 P
Trip unit technology	Electronic
Range compatibility	MasterPact NT MasterPact NW Compact NS Masterpact MT 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	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 2000 A at 50 °C 2500 A at 50 °C 3200 A at 50 °C 4000 A at 50 °C 5000 A at 50 °C 6300 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
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

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

Thermal memory	20 mn
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings
[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 I ² t=off 0.1...0.4 s I ² t=on
Instantaneous protection pick-up adjustment type Ii	Adjustable 9 settings
[Ii] instantaneous protection pick-up adjustment range	2...15 x In Off
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 I ² t=off 0.1...0.4 s I ² t=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

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	7.000 cm
Package 1 Width	8.000 cm
Package 1 Length	21.500 cm
Package 1 Weight	313.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	15
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.180 kg
Unit Type of Package 3	P06

Number of Units in Package 3	120
Package 3 Height	71.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	45.560 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 >](#)



Environmental footprint

Total lifecycle Carbon footprint	32 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	20 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	12 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.7 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

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
SCIP Number	6ac3934d-9e20-40a3-adeb-08cec90e29e2
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds
PVC free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	3
End of life manual availability	End of Life Information
Removable battery	User replaceable
Take-back	Nej
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

