

Product data sheet

Characteristics

C50WM

Control unit MicroLogic 5.0, ComPacT NS630b to NS1600 drawout and manually operated, selective protections



Main

Range	ComPacT
Range of product	ComPacT NS630b...1600 new generation
Product or component type	Control unit
Trip unit name	MicroLogic 5.0
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NS630b...1600
Device application	Distribution
Number of poles	3P 4P
Protected poles description	4t 3t 3t + N/2
Trip unit protection functions	Selective protection
Protection type	L : for short time short-circuit protection S : for overload protection (long time) I : for instantaneous short-circuit protection
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 0.5...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 $I^{t=off}$ 0.1...0.4 s $I^{t=on}$
Instantaneous protection pick-up adjustment type I_i	Adjustable 9 settings
[I_i] instantaneous protection pick-up adjustment range	2...15 x I_n Off
Earth-leakage protection	Without
Zone selective interlocking ZSI	Without
Local signalling	3 LEDs (red) for electrical fault 1 LED (red) for internal error 1 LED (yellow) for overload

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Environment

Standards	IEC 60947-4-2
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	2 cm
Package 1 Width	1 cm
Package 1 Length	2 cm
Package 1 Weight	10 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins