C6EWM

Control unit MicroLogic 6.0E, ComPacT NS630b to NS1600 drawout manually operated, selective and earth-fault protections

Green Premium™

Main

Range	ComPacT
Range of product	ComPacT NS630b...1600 new generation
Product or component type	Control unit
Trip unit name	MicroLogic 6.0 E
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NS630b...1600
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	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : 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 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
[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	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 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 1 LED (yellow) for overload
Display type	Digital display
Type of measurement	Energy meter
Communication of data	Measurement readout Protection and alarm settings

Environment

Standards	IEC 60947-4-2
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-25…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.0 cm
Package 1 Width	1.0 cm
Package 1 Length	2.0 cm
Package 1 Weight	10.0 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
Halogen content performance	Halogen free plastic parts product