Product data sheet
Characteristics

C50FM
Control unit MicroLogic 5.0, ComPacT NS630b to NS3200 fixed and manually operated, selective protections



Main

Range	ComPacT
Range of product	ComPacT NS630b...1600 new generation ComPacT NS1600b...3200 new generation
Product or component type	Control unit
Trip unit name	MicroLogic 5.0
Trip unit technology	Electronic
Range compatibility	ComPacT NS630b...1600 ComPacT NS1600b...3200
Device application	Distribution
Poles description	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
[In] rated current	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
Network type	AC
Network frequency	50/60 Hz
Mounting mode	Fixed

Complementary

Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.4...1 x In
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	0.7…16.6 S at 7.2 x Ir 0.5…24 S at 6 x Ir 12.5…600 S at 1.5 x Ir
Thermal memory	20 mn
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable

[tsd] short-time delay adjustment range	0…0.4 S I²t=off 0.1…0.4 S I²t=on
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	2...15 x In 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

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	2.0 Cm
Package 1 Width	1.0 Cm
Package 1 Length	2.0 Cm
Package 1 Weight	10.0 G

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	11 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	10.395292871378135
Carbon footprint of the manufacturing phase [A1 to A3]	10 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.01935816165772448
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.025686257405361398
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.3875733516493284
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	11
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	B8c8003e-32b8-4709-a0d5-0cc6e64fb011
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Halogen-free status	Product contains halogen above thresholds
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised