



Main

Range of product	NSX400...630
Product or component type	Control unit
Range compatibility	Compact NSX630
Device application	Motor
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
Trip unit name	Micrologic 6.3 E-M
Trip unit technology	Electronic
Trip unit protection functions	LSIG
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
Trip unit rating	500 A at 65 °C

Complementary

Mounting mode	Fixed
[Ue] rated operational voltage	690 V AC 50/60 Hz
Motor tripping class	5 10 30 20
Complementary motor protection	Current unbalance Protracted starting time Stalled rotor Underload
Long time pick-up adjustment type Ir	Adjustable
[Ir] long time pick-up adjustment range	250...500 A
Long time delay adjustment type	Adjustable
[Tr] long-time delay adjustment range	120 s at 1.5 x Ir for trip class 5 6.5 s at 6 x Ir for trip class 5

	5 s at 7.2 x I _r for trip class 5 240 s at 1.5 x I _r for trip class 10 13.5 s at 6 x I _r for trip class 10 10 s at 7.2 x I _r for trip class 10 480 s at 1.5 x I _r for trip class 20 26 s at 6 x I _r for trip class 20 20 s at 7.2 x I _r for trip class 20 720 s at 1.5 x I _r for trip class 30 38 s at 6 x I _r for trip class 30 30 s at 7.2 x I _r for trip class 30
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I _{sd}	Adjustable 9 settings
[I _{sd}] short-time pick-up adjustment range	5...13 x I _r
Short-time delay adjustment type	Fixed
[T _{sd}] short-time delay adjustment range	0.01 s
Instantaneous pick-up adjustment type I _i	Fixed
[I _i] instantaneous pick-up adjustment range	6500 A
Ground-fault pick-up adjustment type	Adjustable
[I _g] ground-fault pick-up adjustment range	0.2...1 x I _n for I _n > 50 A 0.3...1 x I _n for I _n = 50 A 0.6...1 x I _n for I _n = 25 A I _g enable on/off
Ground-fault time delay adjustment type -t _g	Adjustable
[T _g] ground-fault time delay adjustment range	0...0.4 s
Zone selective interlocking ZSI	With
Display type	LCD display
Type of measurement	Energy meter
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	Marine CCC EAC
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information

Contractual warranty

Warranty	18 months
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