



### Main

Range of product	NSX100...250
Product or component type	Control unit
Range compatibility	Compact NSX100 Compact NSX160 Compact NSX250
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
Trip unit name	Micrologic 6.2 E
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	100 A at 40 °C

### Complementary

Mounting mode	Fixed
[Ue] rated operational voltage	690 V AC 50/60 Hz
Long time pick-up adjustment type Ir	Adjustable 9 settings
[Ir] long time pick-up adjustment range	40...100 A
Long time delay adjustment type	Adjustable
[Tr] long-time delay adjustment range	15...400 s at 1.5 x Ir 0.35...11 s at 7.2 x Ir 0.5...16 s at 6 x Ir

Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I <sub>sd</sub>	Adjustable 9 settings
[I <sub>sd</sub> ] short-time pick-up adjustment range	1.5...10 x I <sub>r</sub>
Short-time delay adjustment type	Adjustable
[T <sub>sd</sub> ] short-time delay adjustment range	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
Instantaneous pick-up adjustment type I <sub>i</sub>	Adjustable
[I <sub>i</sub> ] instantaneous pick-up adjustment range	1.5...12 x I <sub>n</sub> Compact NSX250 1.5...15 x I <sub>n</sub> Compact NSX100 1.5...15 x I <sub>n</sub> Compact NSX160
Ground-fault pick-up adjustment type	Adjustable
[I <sub>g</sub> ] ground-fault pick-up adjustment range	0.2...1 x I <sub>n</sub> for I <sub>n</sub> = 40 A 0.4...1 x I <sub>n</sub> for I <sub>n</sub> > 40 A I <sub>g</sub> enable on/off
Ground-fault time delay adjustment type -t <sub>g</sub>	Adjustable
[T <sub>g</sub> ] ground-fault time delay adjustment range	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
Zone selective interlocking ZSI	With
Communication of data	Time-stamped histories and event tables Power quality Demand current and power Protection and alarm settings Maximeters/minimeters Maintenance indicators Instantaneous and demand values Energy metering
Display type	LCD display
Type of measurement	Energy meter
Electrical data recording	Maintenance indicators

## Environment

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

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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