



## Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX630R
Device application	Distribution
Poles description	4P
Protected poles description	4t 3t + N/2 3t 3t + OSN
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
[In] rated current	630 A at 40 °C
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	690 V AC 50/60 Hz
Breaking capacity code	R 200 kA 415 V AC
Breaking capacity	200 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 200 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	200 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 200 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 16 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 12 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Utilisation category	Category A
Trip unit name	Micrologic 6.3 E
Trip unit technology	Electronic
Trip unit protection functions	LSIG
Pollution degree	3 conforming to IEC 60664-1

## Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Auxiliary contact composition	Without
Mechanical durability	15000 cycles
Electrical durability	6000 cycles 690 V In/2 conforming to IEC 60947-2 2000 cycles 690 V In conforming to IEC 60947-2 4000 cycles 440 V In conforming to IEC 60947-2 8000 cycles 440 V In/2 conforming to IEC 60947-2
Connection pitch	45 mm
Local signalling	LED 105 % I <sub>r</sub> LED ready LED 90 % I <sub>r</sub>
Neutral protection setting	0.5 x I <sub>r</sub> (3t + N/2) 1 x I <sub>r</sub> (4t) 1.6 x I <sub>r</sub> (3t + OSN) No protection (3t)
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	630 A at 40 °C
Long time pick-up adjustment type I <sub>r</sub>	Adjustable 9 settings
Long time pick-up adjustment range	250...630 A
Long time delay adjustment type	Adjustable
[Tr] long-time delay adjustment range	15...400 s at 1.5 x I <sub>r</sub> 0.35...11 s at 7.2 x I <sub>r</sub> 0.5...16 s at 6 x I <sub>r</sub>
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I <sub>sd</sub>	Adjustable
[I <sub>sd</sub> ] short-time pick-up adjustment range	1.5...11 x I <sub>n</sub>
Short-time delay adjustment type	Adjustable 5 settings
[T <sub>sd</sub> ] short-time delay adjustment range	0...0.4 s
Instantaneous pick-up adjustment type I <sub>i</sub>	Adjustable
Instantaneous pick-up adjustment range	1.5...11 x I <sub>n</sub>
Ground-fault pick-up adjustment type	Adjustable 9 settings
Ground-fault time delay adjustment type -t <sub>g</sub>	Adjustable 5 settings
[T <sub>g</sub> ] ground-fault time delay adjustment range	0...0.4 s
[I <sub>g</sub> ] ground-fault pick-up adjustment range	126...630 A
Zone selective interlocking ZSI	With
Communication of data	Demand current and power Maintenance indicators Energy metering

Time-stamped histories and event tables  
 Power quality  
 Protection and alarm settings  
 Maximeters/minimeters  
 Instantaneous and demand values

Display type	LCD display
Type of measurement	Energy meter
Electrical data recording	Maintenance indicators
Height	255 mm
Width	185 mm
Depth	110 mm
Product weight	8.13 kg
Compatibility code	NSX630

### Environment

Overvoltage category	Class II
Electrical shock protection class	Class II
Standards	EN/IEC 60947
Product certifications	Marine CCC EAC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...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>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months
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