



Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX630N
Device application	Distribution
Poles description	4P
Protected poles description	3t 3t + 1.6 N 3t + N/2 4t
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
[In] rated current	630 A (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	N (50 kA) AC
Breaking capacity	10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to UL 508 50 kA at 480 V AC 50/60 Hz conforming to UL 508 85 kA at 240 V AC 50/60 Hz conforming to UL 508
[Ics] rated service breaking capacity	Ics 10 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 11 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 30 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 42 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 380/415 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
Utilisation category	Category A
Trip unit name	Micrologic 5.3 A
Trip unit technology	Electronic
Trip unit protection functions	LSI
Trip unit rating	630 A (40 °C)
Protection type	Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection
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	2000 cycles 690 V In conforming to IEC 60947-2 4000 cycles 440 V In conforming to IEC 60947-2 6000 cycles 690 V In/2 conforming to IEC 60947-2 8000 cycles 440 V In/2 conforming to IEC 60947-2
Connection pitch	45 mm
Local signalling	LED 105 % Ir LED 90 % Ir LED ready
Neutral protection setting	0.5 x Ir 3t + N/2 1 x Ir 4t 1.6 x Ir 3t + OSN No protection 3t
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	225...630 A
Long time delay adjustment type	Adjustable
[Tr] long-time delay adjustment range	15...400 s 1.5 x Ir 0.35...11 s 7.2 x Ir 0.5...16 s 6 x Ir
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I _{sd}	Adjustable
[I _{sd}] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable
[T _{sd}] short-time delay adjustment range	0...0.4 s
Instantaneous pick-up adjustment type I _i	Adjustable
Instantaneous pick-up adjustment range	1.5...11 x In
Zone selective interlocking ZSI	With
Communication of data	Demand current and power Energy metering Instantaneous and demand values Maintenance indicators Maximeters/Minimeters Power quality Protection and alarm settings Time-stamped histories and event tables
Display type	LCD display

Type of measurement	Ammeter
Electrical data recording	Maintenance indicators
Height	255 mm
Width	185 mm
Depth	110 mm
Product weight	8.13 kg

Environment

Overvoltage category	Class II
Electrical shock protection class	Class II
Standards	EN/IEC 60947 UL 508
Product certifications	CCC Marine 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
RoHS (date code: YYWW)	Compliant - since 0839 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Contractual warranty

Warranty period	18 months 18 months
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