



Main

Range	Compact
Product name	Compact NSX
Device short name	Compact NSX630F
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3t
[In] rated current	630 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
Breaking capacity	40 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 85 KA at 240 V AC 50/60 Hz conforming to UL 508 25 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 10 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 480 V AC 50/60 Hz conforming to UL 508 20 KA at 600 V AC 50/60 Hz conforming to UL 508 20 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	F 36 kA 415 V AC
Trip unit name	Micrologic 5.3 A
Trip unit technology	Electronic
Trip unit protection functions	LSI
Control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service breaking capacity	40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
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
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 Mm
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection
Trip unit rating	630 A at 40 °C
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 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 _{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 I _n
Zone selective interlocking ZSI	With
Auxiliary contact composition	Without
Local signalling	LED 105 % I _r LED 90 % I _r LED ready
Display type	LCD display
Type of measurement	Ammeter
Communication of data	Maximeters/Minimeters Energy metering Power quality Maintenance indicators Demand current and power Instantaneous and demand values Protection and alarm settings Time-stamped histories and event tables
Electrical data recording	Maintenance indicators
Width	140 Mm
Height	255 Mm
Depth	110 Mm
Net weight	6.2 Kg

Environment

Standards	EN/IEC 60947 UL 508
Product certifications	EAC CCC Marine
Overvoltage category	Class II
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60664-1
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

Packing Units

Package 1 Weight	5.563 Kg
Package 1 Height	20.000 Cm
Package 1 width	35.000 Cm
Package 1 Length	18.300 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
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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Product Life Status : **Commercialised**