



Main

Range	Compact
Product name	Compact NS
Range of product	NS630b...1600
Device short name	Compact NS1600N
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4t
Neutral position	Left
(In) rated current up to 65 °C	1600 A at 50 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B
[Icu] rated ultimate short-circuit breaking capacity	30 kA Icu at 660/690 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 50 kA Icu at 440 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 40 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit name	Micrologic 2.0 E
Trip unit technology	Electronic
Trip unit protection functions	LI
Control type	Rotary handle Toggle
Circuit breaker mounting mode	Fixed

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

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	30 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	10000 cycles
Power losses	74 W
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Trip unit rating	1600 A at 50 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.4...1 x In
Long-time protection delay adjustment type tr	Adjustable 9 settings
Thermal memory	20 mn
Instantaneous protection pick-up adjustment type li	Adjustable
[li] instantaneous protection pick-up adjustment range	1.5...10 x Ir
Zone selective interlocking ZSI	With
Auxiliary contact composition	1 NO/NC
Display type	LCD display
Type of measurement	Energy meter
Width (W)	280 mm
Height (H)	327 mm
Depth (D)	147 mm

Environment

Standards	IEC 60947-2
Product certifications	ASTA ASEFA
Pollution degree	3 conforming to IEC 60947
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Package 1 Weight	17.035 kg
Package 1 Height	37.000 cm
Package 1 width	38.000 cm
Package 1 Length	30.000 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
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
Environmental Disclosure	Product Environmental Profile
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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