



ⓘ Discontinued

Commercial status

Discontinued on: 08 January 2021

End-of-service on: 08 January 2021

33462 has not been replaced. Please contact your customer care center for more information.

Main

Range	ComPact
Product name	ComPact NS
Range of product	ComPact NS630b...1600
Device short name	Compact NS630bL
Product or component type	Circuit breaker
Device application	Distribution
Number of poles	3P
Protected poles description	3d
(In) rated current up to 65 °C	630 A at 50 °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/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	L 150 kA 415 V AC
Trip unit name	Micrologic 2.0
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	100 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	10000 cycles
Electrical durability	2000 cycles at 690 V In 3000 cycles at 690 V In/2 3000 cycles at 440 V In 4000 cycles at 440 V In/2
Power losses	15 W
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	70 mm
Protection type	L : for overload protection (long time) I : for instantaneous short-circuit protection
Trip unit rating	630 A at 50 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	0.4...1 x In
Long-time protection delay adjustment type tr	Adjustable 9 settings
[Tr] long-time protection delay adjustment range	12.5...600 s at 1.5 x Ir 0.5...24 s at 6 x Ir 0.7...16.6 s at 7.2 x Ir
Thermal memory	20 mn
Instantaneous protection pick-up adjustment type li	Adjustable
[li] instantaneous protection pick-up adjustment range	1.5...10 x Ir
Earth-leakage protection	Without
Zone selective interlocking ZSI	Without
Auxiliary contact composition	1 NO/NC
Local signalling	4 LEDs (red) for fault indication 1 LED (yellow) for overload
Width (W)	210 mm
Height (H)	327 mm
Depth (D)	147 mm
Product weight	14 kg

Environment

Standards	EN/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
Relative humidity	0...95 %
Operating altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Package 1 Weight	13.215 kg
Package 1 Height	37.000 cm
Package 1 width	39.000 cm
Package 1 Length	23.000 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 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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