



Main

Range	ComPact
Range of product	ComPact NS630b...1600
Device short name	Compact NS630bL
Product or component type	Basic frame
Device application	Distribution
Number of poles	4P
Neutral position	Left
[In] rated current	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
Control type	Motor mechanism
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	1000 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 (electrical operation) 130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)
Mechanical durability	10000 cycles conforming to IEC 60947-2
Electrical durability	2000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 3000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 3000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 4000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Power losses	15 W
Mounting support	Backplate
Connection pitch	70 mm
Protection type	Without protection
Height (H)	327 mm
Width (W)	280 mm
Depth (D)	147 mm

Environment

Standards	IEC 60947-2
Product certifications	ASEFA LCIE ASTA
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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	20.86 kg
Package 1 Height	40 cm
Package 1 width	30 cm
Package 1 Length	40 cm

Contractual warranty

Warranty	18 months
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