Product datasheet

Specifications



circuit breaker Compact NS630bL - 630 A - 3 poles - fixed - without trip unit

33222

Discontinued on: 3 Dec 2024

Discontinued

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	3P
[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
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
Breaking capacity code	L 150 kA 415 V AC
Control type	Toggle Rotary handle
Mounting mode	Fixed

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 breaking capacity	100 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual 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

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

Connection pitch	70 mm
Protection type	Without protection
Height (H)	327 mm
Width (W)	210 mm
Depth (D)	147 mm

Environment

Standards	IEC 60947-2
Product certifications	LCIE ASTA ASEFA
Overvoltage category	III
Electrical shock protection class	Class II on front face
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 storage	-50…85 °C
Ambient air temperature for operation	-25…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	37.0 cm
Package 1 Width	39.0 cm
Package 1 Length	23.0 cm
Package 1 Weight	12.225 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**548 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**171 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**4 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**354 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**18 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**76c2e213-3b51-4d8b-afdf-632ded42d731**
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**Yes**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**56**
End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**