

Product datasheet

Specifications



circuit breaker basic frame,
ComPact NS 630bN, 50 kA at 415
VAC, 630 A, fixed, electrically
operated, without trip unit, 3 P

Local distributor code:

383438373

33270

EAN Code: 3303430332701

Main

Range	ComPacT
Range of product	ComPacT NS630b...1600 new generation
Device short name	Compact NS630bN
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 B
Breaking capacity	50 kA Icu at 220/240 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 40 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N 50 kA 415 V AC
Control type	Electrically operated
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 breaking capacity	37 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 30 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)
[Icw] rated short-time withstand current	19.2 kA 1 s conforming to IEC 60947-2
Integral instant protection	40 kA
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 4000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 5000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2

Power losses	10 W
Mounting support	Backplate
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	ASEFA ASTA LCIE
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	25.0 cm
Package 1 Width	40.0 cm
Package 1 Length	40.0 cm
Package 1 Weight	20.706 kg

Contractual warranty

Warranty (in months)	18
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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	679
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Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	No
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EU RoHS Directive	Compliant with Exemptions
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SCIP Number	21550c2a-6c05-4d3d-8388-9ca38a81a60f
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REACH Regulation	REACH Declaration
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Halogen-free status	Product contains halogen above thresholds
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PVC free	Yes
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Silicone-free	No
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Use Again

Repack and remanufacture

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