

Product data sheet

Specifications

SQUARE D



Safety switch, heavy duty, fusible, 30A, 240VAC, 250VDC, 3 poles, 7.5HP, NEMA 1, neutral

CH321N

⚠ Discontinued on: Aug 8, 2023

⚠ Discontinued

Main

Product	Single Throw Safety Switch
Disconnect Type	Fusible disconnect
Number of Poles	3
Electrical Connection	Lugs
Duty Rating	Heavy duty

Complementary

Line Rated Current	30 A
Factory Installed Neutral	Neutral (factory installed)
Mounting Type	Surface
Voltage Rating	240 V DC 250 V AC
Standard Motor Power Rating	1.5 hp at 240 V AC 50...60 Hz for 1 phase motors 3 hp at 240 V AC 50...60 kHz for 3 phases motors 3 hp at 240 V AC 50...60 kHz for 1 phase motors 7.5 hp at 240 V AC 50...60 kHz for 3 phases motors 5 hp at 250 V DC
Wire Size	AWG 12...AWG 6 aluminum AWG 14...AWG 6 copper
Tightening torque	45 lbf.in (5.08 N.m) 0.02 in ² (13.3 mm ²) AWG 6) 40 lbf.in (4.5 N.m) 0.013 in ² (8.367 mm ²) AWG 8) 35 lbf.in (4.0 N.m) 0.003...0.008 in ² (2.06...5.261 mm ²) AWG 14...AWG 10)
Height	14.6 in (370.8 mm)
Width	6.5 in (165.1 mm)
Depth	4.88 in (123.95 mm)

Environment

Certifications	CSA
Enclosure Rating	NEMA 1 galvannealed steel

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.200 in (13.208 cm)
Package 1 Width	7.800 in (19.812 cm)

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

Package 1 Length	16.200 in (41.148 cm)
Package 1 Weight	8.139 lb(US) (3.692 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	33 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	20 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.4 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	8 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant By Exemption
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again

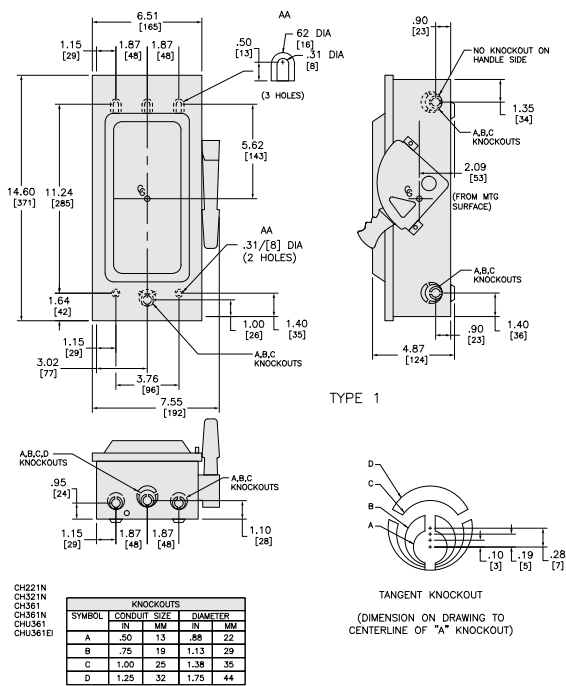


Repack and remanufacture

Recyclability potential, in %	89
Circularity Profile	No need of specific recycling operations

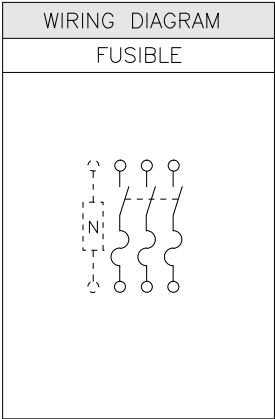
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



CH321N
CH361
CH361N

TERMINAL LUGS			
AMPERES	MAX WIRE	MIN WIRE	TYPE
30	#6 AWG	#14 AWG	AL OR CU

REFER TO TECHNICAL DRAWINGS AND DOCUMENTATION FOR COMPLETE INFORMATION.