

Product data sheet

Specifications

SQUARE D



Safety switch, heavy duty, fusible, 100A, 240VAC, 250VDC, 2 poles, 30HP, NEMA 1, neutral

CH223N

! Discontinued

! Discontinued on: Jul 4, 2023

! End-of-service on: Aug 5, 2023

Main

Product	Single Throw Safety Switch
Disconnect Type	Fusible disconnect
Number of Poles	2
Electrical Connection	Lugs
Duty Rating	Heavy duty

Complementary

Line Rated Current	100 A
Factory Installed Neutral	Neutral (factory installed)
Mounting Type	Surface
Voltage Rating	240 V DC 250 V AC
Standard Motor Power Rating	7.5 hp at 240 V AC 50...60 Hz for 1 phase motors 15 hp at 240 V AC 50...60 kHz for 3 phases motors 15 hp at 240 V AC 50...60 kHz for 1 phase motors 30 hp at 240 V AC 50...60 kHz for 3 phases motors 20 hp at 250 V DC
Wire Size	AWG 12...AWG 1/0 aluminum AWG 14...AWG 1/0 copper
Tightening torque	50 lbf.in (5.6 N.m) AWG 3...AWG 1) 45 lbf.in (5.08 N.m) AWG 6...AWG 4) 40 lbf.in (4.5 N.m) 0.013 in ² (8.367 mm ²) AWG 8) 40 lbf.in (4.5 N.m) 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) 35 lbf.in (4.0 N.m) AWG 14...AWG 10)
Height	21.25 in (539.75 mm)
Width	10.5 in (266.7 mm)
Depth	6.38 in (162.05 mm)

Environment

Certifications	CSA
Enclosure Rating	NEMA 1 galvanized steel

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

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 Height	7.200 in (18.288 cm)
Package 1 Width	10.700 in (27.178 cm)
Package 1 Length	23.300 in (59.182 cm)
Package 1 Weight	17.280 lb(US) (7.838 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	84 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	43 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.8 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	20 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	18 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