Product data sheet

Specifications



Safety switch, general duty, fusible, 100A, 120/240VAC, 2 poles, 30HP, solid neutral, NEMA 1

CD223N

Main

Product or component type	Single Throw Safety Switch
Series name	General duty

Complementary

[In] rated current	100 A
Device composition	Neutral (factory installed)
Disconnector device type	Fusible disconnect
Short-circuit current	100 kA maximum cartridge
Device mounting	Surface
Number of poles	2
Electrical connection	Lugs
[Ue] rated operational voltage	120/240 V AC
Motor power hp	7.5 hp at 240 V AC 50...60 Hz for 1 phase motors 15 hp at 240 V AC 50...60 Hz for 3 phases motors 15 hp at 240 V AC 50...60 Hz for 1 phase motors 30 hp at 240 V AC 50...60 Hz for 3 phases motors
AWG gauge	12 AWG...1/0 AWG aluminum 14 AWG...10 AWG copper
Tightening torque	35 lbf.in (4.0 N.m) 0.003…0.008 in² (2.08…5.26 mm²) 14 AWG...10 AWG) 40 lbf.in (4.5 N.m) 0.01 in² (8.37 mm²) 8 AWG) 45 lbf.in (5.08 N.m) 0.02…0.03 in² (12.3…21.12 mm²) 6 AWG...4 AWG) 50 lbf.in (5.6 N.m) 3 AWG...1 AWG)
Height	17.5 in (444.5 mm) 17.5 in (444.5 mm)
Width	10.56 in (268.22 mm) 10.56 in (268.22 mm)
Depth	6.5 in (165.1 mm) 6.5 in (165.1 mm)

Environment

Product certifications	CSA
NEMA degree of protection	NEMA 1 galvannealed steel

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.400 in (18.796 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 Width	10.700 in (27.178 cm)
Package 1 Length	19.900 in (50.546 cm)
Package 1 Weight	15.139 lb(US) (6.867 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	**76 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**37 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**2 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.7 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]	**16 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**
SCIP Number	**Fcbb2f4b-148e-498d-b15c-530db69350d4**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
PVC free	**PVC-free product**

Use Again

Repack and remanufacture

Recyclability potential, in %	**89**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**