

Product data sheet

Specifications

SQUARE D



Safety switch, heavy duty, fusible,
600A, 600VAC/VDC, 3 poles,
500HP, NEMA 1

CH366

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	600 A
Factory Installed Neutral	None
Mounting Type	Surface
Voltage Rating	600 V AC/DC
Standard Motor Power Rating	200 hp at 600 V AC 50/60 Hz for 3 phases motors 150 hp at 480 V AC 50/60 Hz for 3 phases motors 75 hp at 240 V AC 50/60 Hz for 3 phases motors 50 hp at 600 V DC 50 hp at 250 V DC
Max Motor Power Rating	500 hp at 600 V AC 50/60 Hz for 3 phases motors 400 hp at 480 V AC 50/60 Hz for 3 phases motors 200 hp at 240 V AC 50/60 Hz for 3 phases motors
Wire Size	AWG 3/0...500 kcmil copper or aluminum
Tightening torque	550 lbf.in (62.1 N.m) 0.3...0.4 in ² (177...253 mm ²) 550 lbf.in (62.1 N.m) 0.08...0.2 in ² (53.49...152.0 mm ²) AWG 1/0...300 kcmil)
Height	50.25 in (1276.35 mm)
Width	27.63 in (701.80 mm)
Depth	10.13 in (257.30 mm)

Environment

Certifications	CSA
Enclosure Rating	NEMA 1 steel

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.5 in (34.3 cm)
Package 1 Width	28.3 in (71.9 cm)
Package 1 Length	51.3 in (130.3 cm)

Package 1 Weight	174.01 lb(US) (78.93 kg)
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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	2 025 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	403 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	200 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1 231 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	192 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	D0bd462c-e622-40b4-9939-dbd8b5850181
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen content performance	Halogen free plastic parts product
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	90
Circularity Profile	No need of specific recycling operations
Take-back	No