

Product data sheet

Specifications

SQUARE D



Safety switch, heavy duty, fusible, 30A, 4 pole, 25hp, 600VAC/DC, NEMA 12

H461AWK

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Product	Single Throw Safety Switch
Duty Rating	Heavy duty
Device Application	Heavy application
Disconnect Type	Fusible disconnect
Factory Installed Neutral	None
Number of Poles	4
Current Rating	30 A
Voltage Rating	600 V AC/DC
Enclosure Rating	NEMA 3R/12 galvannealed steel
Standard Motor Power Rating	7.5 hp at 480 V AC 50-60 Hz for 2 phases motors 20 hp at 480 V AC 50-60 Hz for 2 phases motors 10 hp at 600 V AC 50-60 Hz for 2 phases motors 25 hp at 600 V AC 50-60 Hz for 2 phases motors 5 hp at 250 V DC 15 hp at 600 V DC

Complementary

Short-circuit current	10 kA for H or K 200 kA for R or J
Fuse type	H or K R or J
Mounting Type	Surface
Electrical Connection	Lugs
Wiring configuration	4-wire
Wire Size	AWG 12...AWG 6 aluminium AWG 14...AWG 6 copper
Tightening torque	45 lbf.in (5.08 N.m) 0.02 in² (13.3 mm²) (AWG 6) 40 lbf.in (4.5 N.m) 0.013 in² (8.367 mm²) (AWG 8) 35 lbf.in (4.0 N.m) 0.003...0.008 in² (2.06...5.261 mm²) (AWG 14...AWG 10)
Depth	6.8 in (172.7 mm)
Width	16.13 in (409.70 mm)
Height	20.5 in (520.7 mm)
Net Weight	28.7 lb(US) (13 kg)

Environment

Certifications	UL listed file E2875
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Ordering and shipping details

Category	US10DE100116
Discount Schedule	0DE1
GTIN	785901868347
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

Contractual warranty

Warranty	18 months
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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	
Carbon footprint (kg CO2 eq, Total Life cycle)	58
Environmental Disclosure	Product Environmental Profile

Use Better

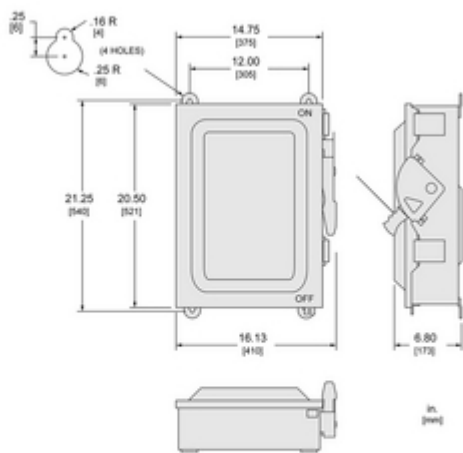
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
PVC free	Yes

Use Again

Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No

Technical Illustration

Dimensions



WHEN MOUNTING THESE SWITCHES, ALLOW 3.75(95) MM CLEARANCE BETWEEN ENCLOSURES FOR OPENING OF SIDE HINGED DOOR.
ALL DIMENSIONS ARE APPROXIMATE.
REFER TO TECHNICAL DRAWINGS AND DOCUMENTATION FOR COMPLETE INFORMATION.

Technical Illustration

Wiring diagram

WIRING DIAGRAMS	
FUSIBLE	NOT FUSIBLE
	
H461AWK H462AWK H463AWK	HU461AWKVV HU461AWKEI HU461AWK HU462AWK HU463AWK

TERMINAL LUG DATA			
AMPERES	MAX WIRE	MIN WIRE	TYPE
30	# 4 AWG	# 14 AWG	CU/AL
60	# 4 AWG	# 14 AWG	CU/AL
100	# 1 AWG	# 14 AWG	CU/AL