

Contender™ Series Factory Sealed Manual Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 7CD, 9EFG

Applications

- Manual motor starters are available to meet any plant installation requirement.
- They may be used to install a variety of electrical wiring devices and comes complete with covers and dead-end or feed-thru hub arrangements. Available with or without the heater.
- Complete units are ideal for manual starting of small Vac or Vdc motors in locations made hazardous by the presence of flammable vapors, gases or combustible dust.

Features

- Easily readable operator handle with provisions for padlocking in the ON or OFF position.
- Cast in hubs.
- Interchangeable heater units.

Standard Materials

- Body and cover: malleable iron
- Sealing chamber: copperfree (4/10 of 1% max.) aluminum
- Operating handle: nylon

Standard Finishes

- Body and cover: gray epoxy powder coat

Options

- For Aluminum Backbox and Cover add suffix **-SA**.
- Starters are furnished with one interchangeable heater. Select heater number from heater selection table and add appropriate suffix to catalog number. For example, a complete catalog number with Allen-Bradley ◀ motor starter and Allen-Bradley ◀ 0-17 amp heater: EPS2199-P1.

NEC/CEC Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203,
- CSA Standards: CSA C22.2 No. 14-M, C22.2 No. 25, C22.2 No. 30
- cULus Listed: E81751, E76550



1-Gang
Dead-End



2-Gang
Feed-Thru

CONTROLS: NEC/CEC EXPLOSIONPROOF MOTOR STARTERS

Appleton

◀ Allen-Bradley is a registered trademark of Rockwell Automation.

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Factory Sealed Manual Motor Starters with Cutler-Hammer + Devices

Poles	Hub Size (Inches)	Catalog Number Cover/Chamber/Device	1-Gang Catalog Number ①		2-Gang Catalog Number ①	
			Dead-End	Feed-Thru	Dead-End	Feed-Thru
1	1/2	EDSK-1MSW	EDS11101	EDSC11101	—	—
	3/4		EDS21101	EDSC21101	EDS22101	EDSC22101
	1		EDS31101	EDSC31101	EDS32101	EDSC32101
2	1/2	EDSK-2MSW	EDS11102	EDSC11102	—	—
	3/4		EDS21102	EDSC21102	EDS22102	EDSC22102
	1		EDS31102	EDSC31102	EDS32102	EDSC32102

Manual Motor Starter Horsepower Ratings

Poles	120–240 Vac	32 Vdc	120 Vdc	240 Vdc	Cutler-Hammer + Catalog Number
1	1 HP	1/4 HP	—	1/4 HP	MST01
2	1 HP	1/4 HP	1 HP	1 HP	MST02



Factory Sealed Motor Rated Switches — No Heater Options

Poles	Hub Size (Inches)	Catalog Number Cover/Chamber/Device	1-Gang Catalog Number		2-Gang Catalog Number	
			Dead-End	Feed-Thru	Dead-End	Feed-Thru
2	1/2	EDSK-MC2	EDS11MC2	EDSC11MC2	—	—
	3/4		EDS21MC2	EDSC21MC2	EDS22MC2	EDSC22MC2
	1		EDS31MC2	EDSC31MC2	EDS32MC2	EDSC32MC2
3	1/2	EDSK-MC3	EDS11MC3	EDSC11MC3	—	—
	3/4		EDS21MC3	EDSC21MC3	EDS22MC3	EDSC22MC3
	1		EDS31MC3	EDSC31MC3	EDS32MC3	EDSC32MC3

Manual Contactor Switch Ratings

Poles	Description	Rating
2	Square D — Class 2510, Type KO-1	30 Amp, 250 Vac/Vdc; 20 Amp, 600 Vac; 1 HP, 115 Vac; 2 HP, 230 Vac; 3 HP, 460-575 Vac
3	Arrow-Hart — AH7810-UD	30 Amp, 600 Vac; 3 HP, 120 Vac; 7-1/2 HP, 240 Vac; 15 HP, 480 Vac; 15 HP 600 Vac

+ Cutler-Hammer is a registered trademark of Eaton Corporation.

① **Ordering Instructions:** Starters and starter cover assemblies are furnished with one interchangeable heater. Select heater number from heater selection table and add appropriate suffix to catalog number. For example, a complete catalog number with Cutler-Hammer motor starter and Cutler-Hammer heater: EDS11101-W1. Available in aluminum — add suffix -SA.

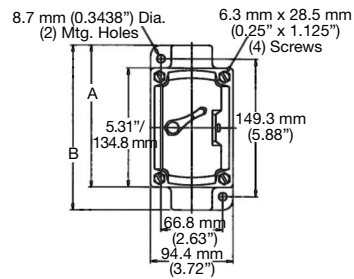
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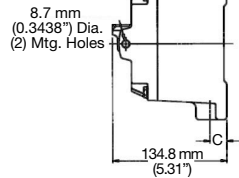
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Dimensions in Millimeters (Inches)

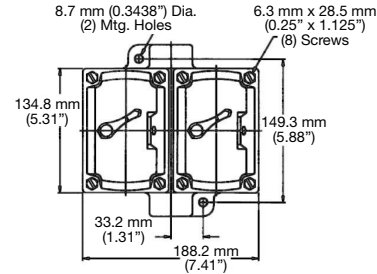
1-Gang and 2-Gang



1-Gang Front



1- 2- Gang Side



2-Gang Front

Hub Size (Inches)	Dimensions in Millimeters (Inches)		
	A	B	C
1/2	153.9 (6.06)	172.9 (6.81)	19.0 (0.75)
3/4	153.9 (6.06)	172.9 (6.81)	22.3 (0.88)
1	156.7 (6.17)	178.5 (7.03)	25.4 (1.00)

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