

# 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 Allen-Bradley ◀ 600 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-1MSAB ①	EDS1199	EDSC1199	—	—
	3/4		EDS2199	EDSC2199	EDS2299	EDSC2299
	1		EDS3199	EDSC3199	EDS3299	EDSC3299
2	1/2	EDSK-2MSAB ①	EDS11100	EDSC11100	—	—
	3/4		EDS21100	EDSC21100	EDS22100	EDSC22100
	1		EDS31100	EDSC31100	EDS32100	EDSC32100

**Manual Motor Starter Horsepower Ratings**

Poles	120–240 Vac	32 Vdc	120 Vdc	240 Vdc	Allen-Bradley ◀ Catalog Number
1	1 HP	—	—	—	Bulletin 600
2	1 HP	—	3/4 HP	3/4 HP	Bulletin 600

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

① **Ordering Instructions:** 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 an Allen-Bradley motor starter and an Allen-Bradley heater: **EDS1199-P5**. Available in aluminum; add suffix **-SA**.

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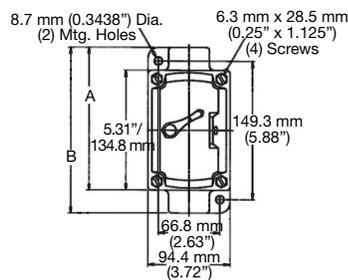
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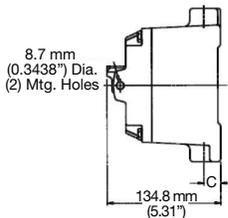
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### Dimensions in Millimeters (Inches)

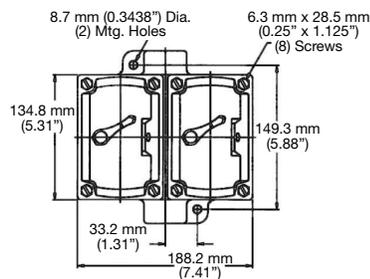
#### 1-Gang and 2-Gang



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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