

# EDS Series Factory Sealed Manual Motor Starters and Contactors

## Explosionproof, Dust-Ignitionproof

Class I, Division 1, Groups C, D  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
NEMA 3, 3R, 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 starter switch.
- 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: malleable iron
- Cover: copperfree (4/10 of 1% max.) aluminum
- 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 **-A**.
- For Allen-Bradley \* motor starter, add suffix **-AB**.
- For Cutler-Hammer \* motor starter, add suffix **-W**.
- 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 heater: EDS150-1MSAB-AB1.

### Certifications and Compliances

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



1-Gang  
Dead-End



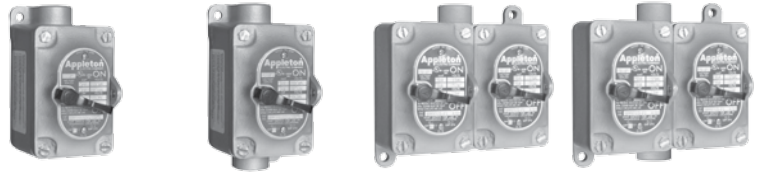
2-Gang  
Feed-Thru

◀ Cutler-Hammer is a registered trademark of Eaton Corporation. Allen-Bradley is a registered trademark of Rockwell Automation.

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### Factory Sealed Manual Motor Starters

Poles	Hub Size (Inches)	Catalog Number Cover/Chamber/Device		Catalog Number * Single Gang		Catalog Number * 2-Gang	
		Allen Bradley †	Cutler-Hammer †	Dead-End	Feed-Thru	Dead-End	Feed-Thru
1	1/2			EDS150-1MS	EDSC150-1MS	EDS250-1MS	EDSC250-1MS
	3/4	EDK1MSAB	EDK1MSW	EDS175-1MS	EDSC175-1MS	EDS275-1MS	EDSC275-1MS
	1			EDS110-1MS	EDSC110-1MS	EDS210-1MS	EDSC210-1MS
2	1/2			EDS150-2MS	EDSC150-2MS	EDS250-2MS	EDSC250-2MS
	3/4	EDK2MSAB	EDK2MSW	EDS175-2MS	EDSC175-2MS	EDS275-2MS	EDSC275-2MS
	1			EDS110-2MS	EDSC110-2MS	EDS210-2MS	EDSC210-2MS

### Manual Motor Starter Horsepower Ratings

Poles	120-240 Vac	32 Vdc	120 Vdc	240 Vdc	Allen-Bradley Catalog Number	Cutler-Hammer Catalog Number
1	1 HP	—	—	—	Bulletin 600	—
2	1 HP	—	3/4 HP	3/4 HP	Bulletin 600	—
1	1 HP	1/4 HP	—	1/4 HP	—	MST01
2	1 HP	1/4 HP	1 HP	1 HP	—	MST02

### EFD Non-Factory Sealed Manual Contactors -- No Heater Options

Poles	Hub Size (Inches)	Catalog Numbers		Description	Switch Ratings
		Dead-End	Feed-Thru		
2	1/2	EFD150-2MS	EFDC150-2MS	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
	3/4	EFD175-2MS	EFDC175-2MS		
	1	EFD110-2MS	EFDC110-2MS		
3	1/2	EFD150-3MS	EFDC150-3MS	HUBBELL 7810-UD	30 Amp, 600 Vac; 3 HP, 120 Vac; 7-1/2 HP, 240 Vac; 15 HP, 480 Vac; 15 HP 600 Vac
	3/4	EFD175-3MS	EFDC175-3MS		
	1	EFD110-3MS	EFDC110-3MS		

### Non-Factory Sealed Components

Poles	Description	Catalog Number
—	Cover only	EFKMSQ
2	Device only	EFS2MSQ
3	Device only	EFS3MSQ

† For heaters, see following page.

\* **Ordering Instructions:** Add suffix **-AB** to catalog number for Allen-Bradley motor starter; add suffix **-W** for Cutler-Hammer motor starter. 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 heater: **EDS150-1MSAB-AB1**. For Aluminum Backbox and Cover add suffix **-A**. Cutler-Hammer is a registered trademark of Eaton Corporation. Allen-Bradley is a registered trademark of Rockwell Automation.