EDS Series Factory Sealed Manual Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof

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 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 -**A**.
- 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: EDS150-1MSAB-AB1.

NEC/CEC 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

◄ *Allen-Bradley is a registered trademark of Rockwell Automation.*

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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, 3R, 7CD, 9EFG

Factory Sealed Manual Motor Starters

Poles	Hub Size (Inches)	Catalog Number Cover/Chamber/Device Allen Bradley ◄ ①	Cutler–Hammer ▯ ①	1–Gang Catalog Number ② Dead–End	Feed–Thru	2–Gang Catalog Number ② Dead–End	Feed–Thru
1	1/2	EDK1MSAB	EDK1MSW	EDS150-1MS	EDSC150-1MS	EDS250-1MS	EDSC250-1MS
1	3/4	EDK1MSAB	EDK1MSW	EDS175-1MS	EDSC175-1MS	EDS275-1MS	EDSC275-1MS
1	1			EDS110-1MS	EDSC110-1MS	EDS210-1MS	EDSC210-1MS
2	1/2	EDK2MSAB	EDK2MSW	EDS150-2MS	EDSC150-2MS	EDS250-2MS	EDSC250-2MS
2	3/4	EDK2MSAB	EDK2MSW	EDS175-2MS	EDSC175-2MS	EDS275-2MS	EDSC275-2MS
2	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 Dead–End	Feed–Thru	Description	Switch Ratings
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
2	3/4	EFD175-2MS	EFDC175-2MS	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
2	1	EFD110-2MS	EFDC110-2MS	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	1/2	EFD150-3MS	EFDC150-3MS	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
3	3/4	EFD175-3MS	EFDC175-3MS	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
3	1	EFD110-3MS	EFDC110-3MS	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

Non-Factory Sealed Components

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

▯ *Cutler-Hammer is a registered trademark of Eaton Corporation.*
◄ *Allen-Bradley is a registered trademark of Rockwell Automation.*
① *For heaters, see following page.*
② ***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**.*