EMN Series Manual Line Starters and Enclosures

600VAC Maximum

Cl. I, Div. 1 & 2, Groups C, D Explosionproof Cl. II, Div. 1, Groups E, F, G Cl. II, Div. 2, Groups F, G CI. III NEMA 3, 7CD, 9EFG, 12

Dust-Ignitionproof Raintight Wet Locations

Applications:

EMN manual line starters and enclosures are used:

- For manual across-the-line starting of single and polyphase AC motors
- To provide motor running protection and manual starting and stopping
- In locations made hazardous due to the presence of flammable vapors, gases, or high combustible dusts
- For installation in petroleum refineries, chemical and petrochemical plants, and other process industry facilities
- In damp, wet, or corrosive locations

Features:

- · Compact, rectangular enclosure makes optimum use of internal space
- Operating handle may be padlocked in either "ON" or "OFF" position
- · Compact design allows installation in area where space is limited
- · Furnished with drilled and tapped conduit openings
- · Polyphase manual starters are furnished with third overload relay as standard

Certifications and **Compliances:**

NEC/CEC

Class I, Division 1 & 2, Groups C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III

• NEMA/EEMAC: 3, 7CD, 9EFG, 12

• UL Standard: 1203

• CSA Standard: C22.2 No. 14

Standard Materials:

- Bodies, covers and toggle operator copper-free aluminum
- · Operating shaft stainless steel
- Internal operating bail sheet steel or aluminum

Standard Finishes:

- Copper-free aluminum natural
- Stainless steel natural
- · Sheet steel electrogalvanized with chromate finish

Electrical Rating Ranges:

• Starter sizes 0, 1, 1P

Options:

The following special options are available from factory by adding suffix to Cat. #: Description Standard Breather (Cl. I, Groups C, D; Cl. II, Groups E, F, G; Cl. III) Standard Drain (Cl. I, Groups C, D; Cl. II, Groups E, F, G; Cl. III) Standard Breather and Drain (Cl. I, Groups C, D; Cl. II, Groups E, F, G; Universal Breather-Drain (Cl. I, Groups C, D; Cl. II, Groups F, G) (2) Universal Breather-Drains (Cl. I, Groups C, D; Cl. II, Groups F, G) S454V

Ordering Information:

Specify HP, voltage, frequency, number of phases, RPM, type and full load ampere rating of motor - or specify ampere rating of heaters.

Two pole starters require one heater; three pole starters have three heaters.



Motor Starter

NEMA Size	Poles (Phase)	Max. AO III Haungs			
		115V	208/ 240V	480/ 600V	Enclosure With Starter Cat. #
M-0	2 (1PH)	1	2		EMN24 W20
M-1	2 (1PH)	2	3		EMN24 W21
M-1P	2 (1PH)	3	5		EMN24 W21P
M-0	3 (3PH) 3 (1PH)	2	3 3	5	EMN24 W30
M-1	3 (3PH)	3	71/2	10	EMN24 W31

May AC HD Datings

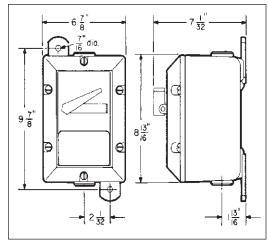
Enclosure Without Starter

Starter Manufacturer	Enclosure Cat. #1
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Cutler-Hammer

EMN24

Dimensions* In Inches:



†Enclosures are furnished with two 11/4" drilled and tapped openings with 11/4" to 1" reducers. *Dimensions are approximate, not for construction purposes.

