



Modular Toggle Operated Starter

Product Description

- Eaton's Cutler-Hammer® MS Motor Starter is a compact, versatile unit featuring heavy sliding contacts as well as "quick-make" and "quick-break" mechanism
- Standard with large pressure type terminals, straight-through wiring and a trip-free handle mechanism
- The "plug-in" heater element is keyed to ensure proper positioning and an adjustable knob allows a setting of plus or minus ten percent of the nominal heater rating

Application Description

The MS Manual Motor Starter provides manual control and overload protection to single-phase motors. By utilizing the interchangeable heater elements, the starter can protect motors ranging from .40 amps up to 16.0 amps. Ideal for HVAC applications.

Features

- Compact size
- Trip-free handle mechanism
- Keyed heater elements to ensure proper installation
- Starters available with red pilot light
- The operating handle of the enclosed units can be locked in the OFF position
- Enclosures are offered in Type 1, 3, 4 and 5
- Hazardous locations cast aluminum enclosures are available rated for Type 7, Class I, Group D (vapors) and Type 9, Class II, Groups E, F and G (dust).

Instructional Leaflet

IL12987G

Standards and Certifications

Note: See Page 18-2 for additional information on Standards and Certifications that apply to all Cutler-Hammer Enclosed Control products.

- UL File No. E1922, Category NLRV (for motor controller)
- CSA File No. LR39402-6, Class 3211-05
- ABS Type Approved



Accessories

Table 13-1. MS Accessories

Description	Catalog Number
Pilot Light Kit (NEMA 1 Enclosure and Flush Plates)	MSPT
Box, 1 Unit (NEMA 1 Enclosure)	MS1BN
Cover, 1 Unit (NEMA 1 Enclosure)	MS1CN
Flush Plate, 1 Unit (Steel)	MS1FN
Flush Plate, 1 Unit (Stainless Steel)	MS1DN
Handle Guard (Padlockable for NEMA 1 Enclosure and Flush Plates)	MSLG