

## 5 HP Explosion Proof Combination Magnetic Line Starter - Class I, II, III - 480V 3PH - NEMA Size 1

### EPCS-MTS-MLS-3P-5HP-480V

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



#### EPCS-MTS-MLS-3P-5HP-480V Forward Non-reversing Line Starter

**Listing:** United States, Canada

**Unit Type:** Explosion Proof Combination Magnetic Line Starter

**External Dimensions:** 23" x 14.5" x 9.125"

**Weight:** 78 lbs

**Motor Voltage:** 480V

**Starter Coil Voltage:** 110/120V, 50/60 Hz

**Maximum HP:** 5

**FLA Range:** 4A-20A

**Circuit Breaker:** 15A

**Disconnect Trip Amps:** 15A

**Disconnect Method:** Thermal Magnetic

**Control Transformer:** 100VA, Fused Primary/Secondary Circuits [240/480V Primary, 120V Secondary]

**Overload:** Adjustable, Solid State

**Pilot Light:** (1) Red [120V]

**Padlock Position (Breaker Handle):** ON or OFF

**Materials:** Copper Free Aluminum

**Hardware Materials:** 316 SS, Aluminum, Thermoplastic Polymer, BUNA-N nitrile

**Mounting:** Surface Mount

**Hubs:** (1) 1.5" NPT, (1) 0.75" NPT, (1) 0.5" NPT

**Hub Location:** Bottom

**External:** Circuit Breaker Handle, Reset Button

**Color:** Gray

#### Features/Ratings

Class I, Division 1&2 Groups B,C,D

Class I, Zone 1&2 Groups IIB, IIA

Class II, Division 1&2 Groups E,F,G

Class III

NEMA 3,4,4X,7 (B,C,D) 9 (E,F,G)

NEMA Size 1

No Heater Needed

Forward, Non-reversing

Reset Button

#### Special Orders/Requirements

Contact us for special requirements

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The Larson Electronics EPCS-MTS-MLS-3P-5HP-480V Explosion Proof Combination Magnetic Line Starter is designed for reliable motor control in flammable work sites. Featuring a starter coil voltage of 110/120V, 50/60 Hz and a motor voltage of 480V, the unit provides a maximum of 5 HP during operation. The forward, non-reversing magnetic line starter is constructed of copper-free aluminum and comes with a NEMA size 1 rating.

**\*PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO EXPLOSION PROOF ENCLOSURES\***

The EPCS-MTS-MLS-3P-5HP-480V is an explosion proof combination magnetic line

starter for flammable facilities. This unit features a starter coil voltage of 110/120V, 50/60 Hz and a motor voltage of 480V. The device offers a full-load amps range of 4A-20A. The 100VA control transformer contains fused primary/secondary circuits, providing operators with 240/480V primary and 120V secondary. For circuit protection, the unit features a 15-amp circuit breaker and thermal magnetic disconnect method. This forward, non-reversing magnetic line starter contains an adjustable, solid state overload. Heaters are not needed for the starter.

**Operators:** The EPCS-MTS-MLS-3P-5HP-480V contains a red pilot light and an accessible reset push button for resetting the unit, which is made out of thermoplastic polyester and is molded onto the stainless steel shaft. A manual disconnect handle is used to reset or disconnect the breaker. The circuit breaker handle is lockable for security (in ON or OFF position). Provisions are provided for drain and breather components. Equipped with an aluminum shroud, conduit openings are also available for power and control.

This combination magnetic line starter is constructed of copper-free aluminum, with 316 stainless steel cover bolts and BUNA-N nitrile O-ring gasket. The unit is suitable for Class I, Divisions 1 and 2; Class I, Zone 1 and 2; Class II, Divisions 1 and 2; and Class III hazardous locations. A NEMA 4/4X rating ensures protection from exposure to direct water spray and corrosive elements.

**Mounting:** The EPCS-MTS-MLS-3P-5HP-480V is designed for surface mounting configurations, via four mounting lugs located at each corner of the unit. A universal mounting pan and pre-drilled holes help streamline installations at the work site. The following hubs are available for completing wiring connections and installations: (1) 1.5" NPT (power), (1) 0.75" NPT (control) and (1) 0.5" (drain breather).

**Applications:** Motor control, motor starting, equipment management, industrial infrastructure, flammable work sites, hazardous locations, chemical processing plants, agricultural operations, grain storage, confined spaces and more. At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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## Frequently Asked Questions (FAQ)



Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)