

MTSTR-3P-208V-10HP-26A-DCM-M3

7.5kW Soft Starter - 10 HP, 26 Amps - 208V - 3PH Delta, 3-Wire - 50/60 Hz - w/ Vibration Test

Product ID: 322905

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



Image: MTSTR-3P-208V-10HP-26A-DCM-M3

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MTSTR-3P-208V-10HP-26A-DCM-M2 Soft Starter

Unit Type: Reduced Voltage Starter

Dimensions: 23.6" x 14.7" x 12.5"

Weight: 11 lbs

Capacity: 10 HP

Power: 7.5 kW

Voltage: 208V Nominal

Phase: 3PH Delta, 3-Wire Configuration

Frequency: 50/60 Hz

Max. Running Draw Current (Non-Starting): 26A

Starting Times: 20x per hour (Maximum)

Adaptive Motor: Squirrel-cage 3PH Asynchronous

Control Modes: Operation Panel Control, Operation Panel + External Control, External Control, External Control + COM Control, Operation Panel + External + COM Control, Operation Panel + COM Control, COM Control, No Start or Stop Operation

Start Modes: Current-limiting to Start, Voltage Ramp to Start, Torque Control + Current-limiting to Start, Torque Control + Voltage Ramp to Start, Current Ramp to Start, Voltage Current-limiting Double Closed-loop Start

Stop Modes: Soft Stop, Free Stop

Diagnostics/Monitoring: Capable of communicating malfunction status

Vibration: <0.5G, Compliant with MIL-STD-810H, Method 514.8, *Procedure I* and *Annex C*, for Category 7, with the following specific conditions:

Features/Ratings

NEMA 1 Enclosure

Digital Panel Interface

Protective Functions

• **Exposure Level:** C-17 profile, modified by the "General Exposure" spectral density curve in the 15–95 Hz frequency range
• **Duration:** Equivalent of 30 one-minute takeoffs
Shock: Compliant with MIL-STD-810H, Method 516.8, *Procedure I*, terminal peak saw-tooth shock

• **Magnitude:** 6G
• **Duration:** 11 milliseconds
• **Application:** 3 shocks in both directions along each of 3 mutually perpendicular axes (total 18 shocks)

Operating Temp: -30°C ~ +55°C

Storage Temp: -40°C ~ +70°C

Humidity: 90% RH w/o Dew Condensation

Altitude: 12,000 Feet Above Sea Level

Mount: Wall or Surface

Color: Grey

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

The Larson Electronics MTSTR-3P-208V-10HP-26A-DCM-M3 Soft Starter provides reduced voltage starting solutions for industrial equipment. This 10 HP unit offers compatibility with 208V three-phase delta, 50/60 Hz. Multiple start, stop and control modes are available during use, via a digital panel. Operators can mount the unit on walls or surfaces, via four screw holes at every corner of the soft starter.

The MTSTR-3P-208V-10HP-26A-DCM-M3 is a reduced voltage starter, which can be used to soft start and preserve industrial motors. This 10 HP unit is compatible with 208V three-phase delta, 50/60 Hz. The 26-amp soft starter is equipped with a squirrel-cage three-phase asynchronous motor. Starting times should not exceed 20 attempts per hour.

The reduced voltage starter is protected by a NEMA 1 rated enclosure. Cooling is provided by natural wind, making the unit suitable for indoor locations with adequate ventilation. The presence of corrosive gas or conductive heat may hinder the performance of the soft starter. The MTSTR-3P-208V-10HP-26A-DCM-M3 is designed for use at altitudes below 12,000 feet. Above this range, the rate of power must be increased during operation.

The industrial soft starter features the following operating modes and protective functionalities:

• **Start Modes:** Current-limiting to Start, Voltage Ramp to Start, Torque Control + Current-limiting to Start, Torque Control + Voltage Ramp to Start, Current Ramp to Start, Voltage Current-limiting Double Closed-loop Start

• **Stop Modes:** Soft Stop, Free Stop

• **Control Modes:** Operation Panel Control, Operation Panel + External Control, External Control, External Control + COM Control, Operation Panel + External + COM Control, Operation Panel + COM Control, COM Control, No Start or Stop Operation

• **Protective Functions:** Open Loop Protection for External Instantaneous Stop Terminals, Over-heat Protection for Soft Starter, Protection for Long Starting Time, Input Open Phase Protection, Output Open Phase Protection, Unbalanced Three-phase Protection, Starting Over Current protection, Running Overload Protection, Under Voltage Protection for Power Voltage, Overvoltage Protection for Power Voltage, Protection for Fault Parameter Setting, Load Short Circuit Protection, Auto Restart or Incorrect Wiring Protection, Incorrect Wiring Protection of External Control Stop Terminals

Mount: The MTSTR-3P-208V-10HP-26A-DCM-M3 can be securely mounted on walls or surfaces. Four screw holes at every corner of the unit available for seamless mounting.

Applications: Industrial motors, overload protection, reduced voltage starter, equipment preservation, pumps, manufacturing belts, inrush control, power monitoring and more.

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Frequently Asked Questions (FAQ)

There are no Faqs



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Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

- **Dimensional Drawing 2D** (<https://www.larsonelectronics.com/images/product/DimensionalDrawing/322905.PDF>)
- **STEP File (3D CAD Model)** (<https://www.larsonelectronics.com/images/product/Step/322905.ZIP>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/322905.JPG>)
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