Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
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MPD-MTS-3P4W-150A-480V-3PH-N4X-M3

150A Manual Transfer Switch, 277/480V AC 3PH 4W, 60 Hz, Two Sources / One Load, Source 1 – OFF – Source 2 Break-Before-Make, UL 1008 Listed, NEMA 4X Stainless Steel Type 316

Product ID: 345675

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



Image: MPD-MTS-3P4W-150A-480V-3PH-N4X-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.

MPD-MTS-3P4W-150A-480V-3PH-N4X-M3 — Manual Transfer Switch
Unit Type: Manual Transfer Switch

Sources: Two Sources (Source 1 / Source 2), One Load
Switching Arrangement: Source 1 – OFF – Source 2
Load Transition Type: Manual, Open-Transition (Break-Before-Make)

Operation: Manual, Positive Mechanical

Electrical Ratings
Phase: 3-Phase 4-Wire (3P4W)
Voltage: 277/480V AC, 60 Hz
Amps: 150A
Switched Poles: 3-Pole
Neutral Type: Solid
Withstand Rating: 200 kA RMS Symmetrical (with current-limiting fuses)
Withstand Rating: 50 kA RMS Symmetrical (with circuit breakers)

Enclosure & Construction
Enclosure Type: NEMA 4X Stainless Steel, Type 316

Made in the USA

Features of Every Assembly
Manual Operating Handle with Center-Off Position
Source 1 – OFF – Source 2 Break-Before-Make Transfer
LED Indicators and Form C Contacts for Switch Position and Source Availability
Digital Power Technology (DPM)

Ratings & Approvals
NEMA 4X
UL 1008 Listed as a Transfer Switch
NRTL Listed for United States & Canada
Compliant to NEMA ICS 1, ICS 2, ICS 6

Material: Stainless Steel, Type 316
Finish: Mill/Brushed Stainless (No Paint Finish)
Mount: Floor-Mounted, Outdoor-Rated Enclosure
Lug Range: 1/0 – #14 (Source/Load Side)

Service Conditions
Ambient Temperature Rating: 120°F (49°C)
Altitude Rating: 500 ft (152 m)
Seismic Rating: Zone 4

Basis of Design
ASCO, Zenith, Russell Electric, or Equal

Dimensions & Shipping
Dimensions: 95.50"H x 37.00"W x 32.63"D (estimate)
Weight: 950 lbs (estimate)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on pallet or skid
Crated shipment available upon request
Final shipping configuration subject to approved design

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

Customer Compliance
This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

Larson Electronics manufacture a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being one-time custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Made in the USA

The Larson Electronics MPD-MTS-3P4W-150A-480V-3PH-N4X-M3 Manual Transfer Switch is ideal for connecting a single load to either of two power sources in industrial facilities. This 150-amp, 277/480V three-phase, four-wire switch provides manual transfer between Source 1 and Source 2 through a Source 1 – OFF – Source 2 sequence. It is housed in a NEMA 4X stainless steel, Type 316 enclosure suitable for outdoor, corrosive, or marine environments.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

The **MPD-MTS-3P4W-150A-480V-3PH-N4X-M3** offers a manual operating handle with a center-off position, giving the operator direct positive control when transferring the load between sources. The break-before-make action ensures that the load is fully disconnected from one source before it connects to the other. The unit is designed to handle the demands of motor loads and high inrush currents, with a standard solid neutral and a modular, compact

design for straightforward installation and maintenance.

Assembly Construction
The enclosure is constructed of Type 316 stainless steel in a NEMA 4X configuration, floor-mounted for secure outdoor installation, with a mill/brushed finish and no paint. Source and load-side lugs are sized for 1/0 AWG to #14 conductors. Construction is benchmarked to the ASCO, Zenith, or Russell Electric product class, or equal.

Controller & Special Features
The unit features a Digital Power Technology (DPM) platform with LED indicators and Form C contacts for switch position and source availability monitoring. It also has a manual operating handle with a center-off position and field-proven transfer switching technology suited to motor and high-inrush-current loads.

Service Conditions
The unit is rated for outdoor service per NEMA ICS 1, with an ambient operating temperature of up to 120°F (49°C), an altitude rating of 500 feet (152 meters), and seismic qualification for Zone 4 installations.

Ratings & Approvals
This unit is NEMA 4X rated, UL 1008 listed as a transfer switch, NRTL listed for the United States and Canada, and compliant with NEMA ICS 1, ICS 2, and ICS 6. It carries a 200 kA RMS symmetrical withstand rating when protected by current-limiting fuses, or 50 kA RMS symmetrical when protected by circuit breakers.

Applications
Dual-source power management, standby electrical systems, industrial facilities, marine and outdoor installations, and more.

Customer Compliance
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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 for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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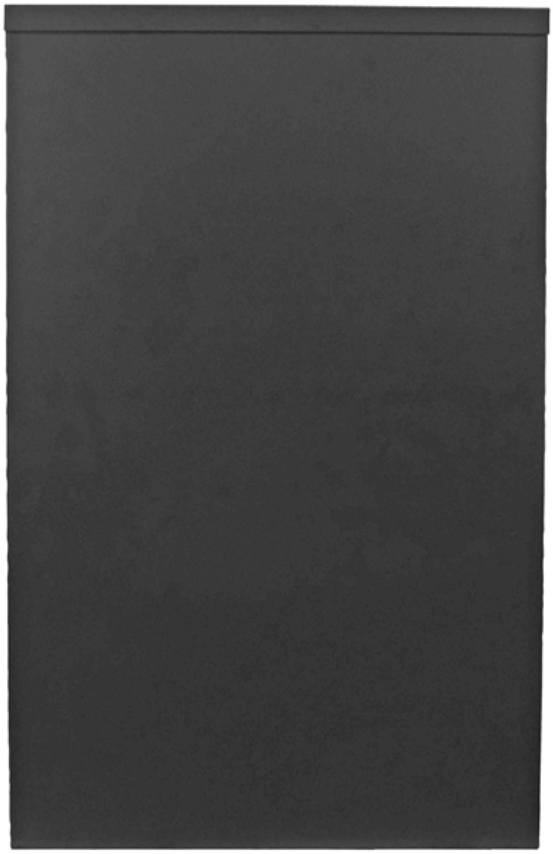

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