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MPD-STS-3P-100A-208V-3PH-N1

100 Amp Static Transfer Switch Automatic/Manual/Remote - 208V 3PH 3P3W 60Hz, NEMA 1

Product ID: 332458



Image: MPD-STS-3P-100A-208V-3PH-N1

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-STS-3P-100A-208V-3PH-N1 Static Transfer Switch

Unit Type: Static Transfer Switch
System Phase: 3-Phase (3PH)
Voltage: 208V Delta or Wye
Frequency: 60 Hz (60 cycles)
Rated Output Current: 100A, Continuous
Voltage Transfer Limits: ±10% of nominal
Source Voltage Distortion: Up to 10% THD
Phase Transfer Tolerance: Adjustable up to ±30°
Manual Transfer Interruption: ≤ 1/8 cycle
Emergency Transfer Time: ≤ 1/4 cycle typical
Optimized Transfer Time: < 1 line cycle
Continuous Load: 100% rated load
Overload: 125% (30 min for 100A), 150% (2 min), 500% (0.25 s)
Short Circuit Withstand: 125 kA
Surge Withstand: ANSI C62.41 Category B3
ESD Immunity: Up to 10 kV
EMI Compliance: FCC Part 15 Class A
Lug Range: 1/0-14 AWG
Transition Modes: Automatic / Manual / Remote
Grounding Terminal: Included
Interface: Microprocessor HMI with color touchscreen LCD

Features/Ratings

NEMA 1 / IP20
Digital Power Technology (DPM)
ISO 9001
CE Listed

Software Upgrade: Via RS232

Event Log: 512 events stored

Fault History: 64-frame capture

Metering Accuracy: ±2% true RMS

Communication: CAN bus internal

Metering Functions: Input voltage (per phase), Input current (per phase), Frequency (each source), Output kW / kVA, Load percentage, Transfer count, Synchronization angle

Major Monitored Conditions: Source failure, Over/under voltage, Overcurrent, Frequency deviation, SCR failure (open/short), Power supply failure, Phase rotation error, Transfer inhibit, Overtemperature, Communication failure, Output undervoltage, Fan failure

Shunt Trip: 48 VDC (input MCS)

Auxiliary Contacts: N.O. and N.C.

Interlocks: Key interlocked

Stability: Tip resistant up to 15°

Operating Temperature: 0°C to 40°C

Storage Temperature: −20°C to +70°C

Relative Humidity: 0–95% non-condensing

Operating Altitude: Up to 4000 ft (no derating)

Altitude Derating: 6% per 1000 ft above 4000 ft

Storage Altitude: Up to 40,000 ft

Audible Noise: < 55 dBA @ 4.92 ft

MTBF: > 1,000,000 hours

Cooling: Convection + forced air heat sink cooling

Accessibility: Hinged lockable front door

Materials: Galvanized Steel
Finish: Electrostatically Applied and Baked Grey Powder Paint
Mount: Floor Mount, Bottom Feed
Dimensions: 40.00"-H x 18.00"-W x 20.00"-D
Weight: 265 lbs
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.

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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The MPD-STS-3P-100A-208V-3PH-N1 from Larson Electronics is a Static Transfer Switch that is ideal for managing electrical loads between two sources in industrial facilities. This 100-amp, 208V three-phase, three-wire controller handles timing, sensing, exercise functions, and transfer commands. Constructed of steel, the unit is housed in a NEMA 1 enclosure.

The MPD-STS-3P-100A-208V-3PH-N1 offers accurate control of electrical power and loads in locations where a backup generator or energy management system is installed. This 100-amp unit features 208V Delta or Wye three phase compatibility and automatic, manual, and remote transition modes. The controller is designed to handle all commands related to the following: timing, sensing, exercise functions, and transfers.

The static transfer switch is constructed of coated steel with electrostatically applied and baked grey powder paint. Unit is designed for floor mounting installations with an open bottom feed configuration.

Applications: Backup generators, power management, energy systems, industrial facilities, commercial 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 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