

MPD-ST5-3P4W-800A-480V-3PH-N1-M1

800A Static Transfer Switch – 480V, 3-Phase, 3-Pole (4-Wire + Ground) – Solid-State – NEMA 1 – Automatic Transfer – Dual Source – Floor Mount

Product ID: 336528

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



Image: MPD-ST5-3P4W-800A-480V-3PH-N1-M1

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-ST5-3P4W-800A-480V-3PH-N1-M1 Static Transfer Switch

Unit Type: Static Transfer Switch

Dimensions: TBD

Weight: TBD

Phase: 3-Phase, 3-Pole (4-Wire + Ground), Double Throw

Frequency: 60Hz ± 0.5 Hz

Voltage: 480V

Input Voltage Range: $\pm 10\%$ Nominal

Current Rating: 800A Continuous

Overload Capability: 125% for 30 Minutes

Load Power Factor: 0.75 to 1.0 Leading/Lagging

Short Circuit Withstand Rating: 65kA Symmetrical

Input: Dual AC Power Sources

Output: Single Critical Load Output

Power Electronic Device: 6 Pairs SCR Modules

Load Transition Type (Automatic): Open Transition Fast Transfer

Modes of Operation: Normal, Manual Transfer, Emergency Transfer, Load Current Inhibit, Maintenance Bypass

Communications: RS-232, RS-422, Modbus, SNMP, HTTP, Ethernet RJ45

Control Interface: Full Color Touchscreen LCD

Features/Ratings

NEMA 1

Solid-State Switching (SCR-Based)

Automatic Static Transfer

UL 1008 Listed

IEC / ANSI / IEEE / NEC Compliant



Monitoring: Voltage, Current, Frequency, kW, kVA, Load %, Sync Angle

Bypass System: Key-Interlocked Maintenance Bypass Breakers

Cooling: Convection + Forced Air Cooling

Operating Temperature: 0°C to 40°C

Humidity: 0–95% Non-Condensing

Altitude Rating: Up to 6,600 ft Without Derating

Accessories: Programmable Relay Board, Input Contact Isolator Board, Network Interface Card, Remote Source Selection

Materials: Heavy-Duty Galvanized Steel Enclosure

Finish: Manufacturer Standard Gray/Black

Mount: Free-Standing Floor Mount

Lug Range: Compression Lugs, NEMA 2-Hole Long Barrel

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-ST3-3P4W-800A-480V-3PH-N1-M1 from Larson Electronics is a Static Transfer Switch that is designed for managing critical electrical loads between two independent AC power sources in industrial facilities, data centers, and mission-critical environments. This 800-amp, 480V three-phase, 3-pole (4-wire + ground) system utilizes solid-state SCR technology to provide ultra-fast, reliable power transfers between synchronized sources with interruption times of less than 1/4 cycle (4 milliseconds typical). The unit is housed in a NEMA 1 enclosure for indoor industrial applications and features a free-standing floor mount design.

The MPD-ST3-3P4W-800A-480V-3PH-N1-M1 offers continuous power protection and advanced transfer control for applications utilizing redundant utility feeds, UPS systems, generators, and backup power infrastructure. This 800-amp unit supports dual-source input configurations at 480V and features open transition (break-before-make) transfer operation with automatic, manual, emergency, and maintenance bypass modes. The integrated microprocessor-based touchscreen controller manages transfer timing, voltage sensing, synchronization monitoring, alarm diagnostics, and preferred source selection. The unit features triple redundant logic, redundant power supplies, fuseless SCR protection, and key-interlocked maintenance bypass breakers for enhanced reliability and serviceability. During abnormal operating conditions, the STS can withstand up to 65kA symmetrical short circuit current while maintaining stable operation in demanding industrial environments.

Applications: Data centers, UPS systems, backup generators, power management systems, industrial facilities, telecommunications infrastructure, healthcare facilities, commercial buildings, and mission-critical operations.

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.



Frequently Asked Questions (FAQ)

There are no Fags



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Export Control Classification Number (ECCN): EAR99

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