

MPD-ST5-4P4W-28.9A-400V-3PH-N1-M1

28.86-Amp Static Transfer Switch - 400V 3 Phase 4 Pole (4 Wire) - IP54 Wall Mount - Intelligent Static Transfer Switch

Product ID: 338106



Image: MPD-ST5-4P4W-28.9A-400V-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-ST5-4P4W-28.9A-400V-3PH-N1-M1 Static Transfer Switch

Unit Type: Intelligent Static Transfer Switch (ISTS)

Type: 4-Pole Static Transfer Switch

Dimensions: 23.62"-H x 15.75"-W x 8.27"-D (600mm-H x 400mm-W x 210mm-D)

Weight: 75 lbs (34 kg)

Duty: Continuous Duty, 100% Rated

Phase: 3-Phase + Neutral (3Ph+N), 4-Pole, 4-Wire

Voltage: 400V AC

Frequency: 60Hz

Power Rating: 20 kVA

Current Rating: 63A

MTBF: >800,000 Hours

Transfer Type: Break-Before-Make Zero Current Transfer by Thyristors/SCR

Synchronous Break Time: <1ms up to 1/4 Cycle

Asynchronous Break Time: 0ms, 10ms, 50ms or Vt Proportional, 0° to 180°

Detection Speed: Digital <1m

Input Termination: Lugged Fixed Wiring to M6/M8 Terminals via Glands

Output Termination: Lugged Fixed Wiring to M6/M8 Terminals via Glands

Contact Inputs: (2) Self-Wetting Transfer Control Inputs

Isolation: Incoming Source Isolator Switches

Protection: 100A/200A BS88/FE100 Fuses

Safe Install Environment: 20kA, 100A/200A Internally Fused

Device Rating: 134ARMS, 1600V, 2kA 1 Cycle

Features/Ratings

IP54, Indoor/Industrial Rated

SCR/Thyristor Based Transfer Technology

Maintenance Bypass CAM Switch

Manual & Automatic Transfer Modes

Visual & Audible Alarms

Bi-Colour LED Mimic Display

Remote Transfer Inputs

(5) Voltage-Free Change-Over Status Indicators, Form C

UPS Eco-Mode Compatible

RCD Site Compatible

NRTL Listed for United States & Canada

Fault Current Setting: 300% Peak with Load Fault Transfer Inhibit

Loading: 0-100% @55°C Ambient

Overload @55°C Ambient: 110% for 10 min; 125% for 2 min; 150% for 60 sec; 200% for 30 sec; 400% for 0.1 sec; 2kA for 1 cycle

Power Factor: No Practical Limit

Crest Factor: 3:1

dV/dt Max: 800V/μs

Max THDV: 10% - Maximum Allowable Source Voltage Distortion

Cooling: Natural Convection

Operating Temperature: 0°C to 55°C

Humidity @40°C Ambient: 5-95% Non-Condensing

Communications: HTTP, SNMP, MODBUS TCP, Email Notifications & NTP Synchronization

Mount: Surface/Wall Mount

Finish: Powder Coated Industrial Enclosure

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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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.

The MPD-STS-4P4W-28.9A-400V-3PH-N1-M1 from Larson Electronics is an Intelligent Static Transfer Switch (iSTS) that is ideal for managing critical electrical loads between two independent power sources in industrial and commercial facilities. This 28.86-amp, 400V three-phase plus neutral (3Ph+N) four-pole controller is designed for safe, high-speed power transfers with less than 1 millisecond synchronous transfer time. The unit is housed in an IP54 indoor/outdoor industrial-rated wall mount enclosure.

The MPD-STS-4P4W-28.9A-400V-3PH-N1-M1 offers accurate and reliable control of electrical power and critical loads in locations where uninterrupted power availability is required. This 20 kVA unit features 400V three-phase compatibility, 60Hz auto-detection capability, and break-before-make zero current transfer technology utilizing SCR/thyristor switching. The controller is designed to handle all commands related to timing, sensing, preferred source selection, alarm monitoring, and manual or automatic transfers. During abnormal conditions, this unit supports overload capability up to 400% for 0.1 seconds and features internally fused protection rated for safe installation environments up to 20kA.

This intelligent static transfer switch includes a maintenance bypass CAM switch, bi-colour LED mimic display, remote transfer inputs, voltage-free Form C alarm contacts, and Ethernet communications supporting HTTP, SNMP, MODBUS TCP, Email and NTP functions. The unit is also compatible with UPS Eco-Mode applications and supports safe asynchronous source transfers for critical power systems.

Applications: Critical power systems, UPS systems, data centers, industrial facilities, commercial buildings, telecommunications equipment, energy management systems, backup power systems, process control applications, 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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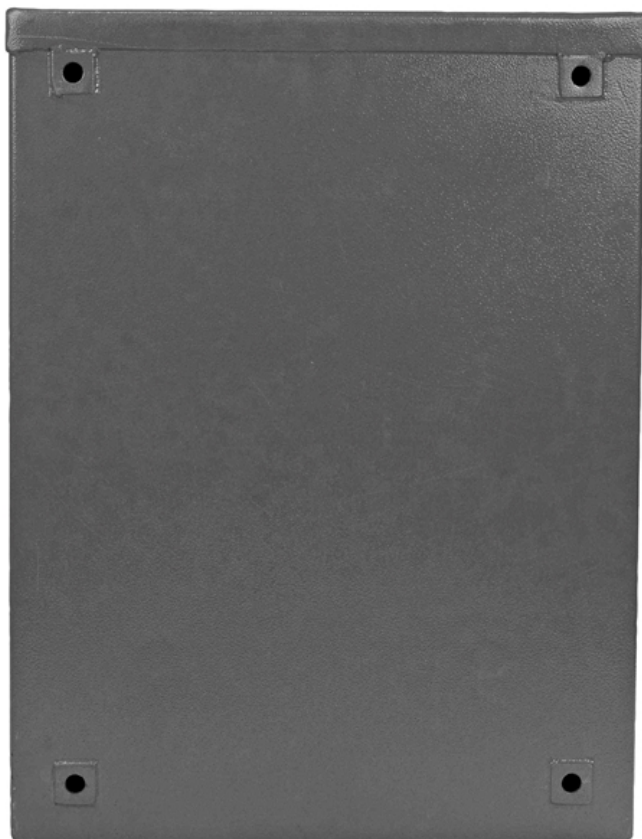
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Frequently Asked Questions (FAQ)

There are no Faqs