

MPD-CSW-LBS-3P3W-34.5KV-1200A-25K-FX-SM-NOP-NE-LF-SBI-M2

Circuit Switcher, Side-Break Integer Style, 3-Ph, 3-Wire, Single Unit, 34.5kV, 1200A, 25 kA, Fixed Type, Structure Mounted, Model 2

Product ID: 342457

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



Image: MPD-CSW-LBS-3P3W-34.5KV-1200A-25K-FX-SM-NOP-NE-LF-SBI-M2

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-CSW-LBS-3P3W-34.5KV-1200A-25K-FX-SM-NOP-NE-LF-SBI-M2 Circuit Switcher, Side-Break Integer Style **Made in the USA**

Unit Type: Circuit Switcher, Three-Pole Side-Break, Integer Style

Configuration: 3-Phase, 3-Wire, Side-Break, Live Front, Open-Air Outdoor

Assembly Type: Single Switch Unit, Group-Operated, Factory-Assembled and Adjusted

Nominal Voltage: 34.5kV, Maximum Design Voltage: 38kV

BIL: 200kV

Frequency: 60Hz

Continuous Current: 1200A

Fault-Closing / Momentary Rating: 40,000A RMS Asymmetrical, One-Time Duty Cycle (Manually Operated)

Three-Second Withstand Rating: 25,000A RMS Symmetrical

Interrupting Method: No-External-Arc, Internal Dielectric Interrupter, Direct-Drive

Recommended Phase Spacing: 47 in (119 cm)

Features of Every Assembly

No-External-Arc Interrupting Design

Direct-Drive Interrupter Contact, No Moving Probes or Latches

Factory-Assembled and Adjusted, One-Piece Steel Base

Connectors Workable with Hot-Line Tools

Switch Package

Blade Construction: Double-Member, Hard-Drawn Copper, Trussed and Permanently Aligned

Current-Carrying Contacts: Silver-Nickel Multifinger Blade Contacts, Four Independent

Points of Contact

Fault-Closing Contacts: Copper-Tungsten Disks, Silver-Brazed to Copper Blade-Tongue

Hinge Contacts: Nickel-Plated, Silver Flash-Coated, Silver-Clad Hinge Pivot

Operating Rod: Low-Inertia Epoxy Operating Rod

Construction

Base Material: One-Piece, Rectangular-Section, Heavy-Gauge Galvanized Steel

Insulators: Cyproxy Station Post Insulators

Bearings: Corrosion-Resistant, Zinc-Nickel Plated, Grease-Packed

Interphase Drive: One-Piece Interphase Rod, Factory-Adjusted for Simultaneous Three-Phase Switching

Mounting Style: Fixed Type, Structure/Pole-Mounted

Mounting/Operating Hardware: Quoted Separately

Connections

Line/Load Connection: Open-Air Overhead, No Cable Termination

Terminal Connectors: Hot-Line-Tool Workable, Hexagonal-Recess Terminal Pad

Bus Bar / Blade Material: Copper

Dimensions & Shipping

Overall Dimensions: 108 in W × 30 in D × 42 in H (estimated)

Approximate Weight: 500 lbs (estimated)

Shipping Dimensions: TBD

Shipping Weight: TBD

Special Features

Outdoor Distribution, Three-Pole Side-Break, Integer Style, Steel Base, Cyproxy Insulators

Customer Compliance

Final arrangements, sizes, ratings, settings, configuration, and installation details will be finalized during detailed engineering review and customer approval prior to release for manufacture.

Larson Electronics manufactures 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 custom builds. The specifics for this configuration are listed in the specification table and applicable drawings.

Made in the USA

The MPD-CSW-LBS-3P3W-34.5KV-1200A-25K-FX-SM-NOP-NE-LF-SBI-M2 is a factory-assembled, three-pole side-break circuit switcher engineered for outdoor distribution and substation switching duty at 34.5kV. Built in the integer style, the complete switch assembly — including operating linkage, insulators, and mounting hardware provisions — arrives pre-adjusted for simultaneous three-phase operation, eliminating field assembly and reducing installation time.

Ratings & Approvals

Designed in accordance with applicable ANSI/IEEE C37 series standards for high-voltage air switches, including ANSI/IEEE C37.32

Full-scale tested to verify load-splitting, load-dropping, and line/cable switching performance at maximum voltage and rated current

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

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

This **MPD-CSW-LBS-3P3W-34.5KV-1200A-25K-FX-SM-NOP-NE-LF-SBI-M2** circuit switcher is designed for live-switching duty, including line switching, transformer switching, and cable switching applications, with no-external-arc interrupting performance that eliminates flashover risk and allows for significantly reduced phase spacing compared to conventional horn-gap disconnect switches. The direct-drive interrupter mechanism synchronizes blade and contact motion for every switching operation, with no reliance on springs, latches, or moving probes for circuit interruption.

Switch Package

The switch blade assembly features double-member, hard-drawn copper blades that are trussed and permanently aligned for trouble-free switching over the life of the unit. Current-carrying contacts consist of silver-nickel multifinger blade contacts providing four independent points of contact for optimal current transfer and contact pressure. Fault-closing contacts are copper-tungsten disks silver-brazed to the copper blade-tongue, rated for the switch's full fault-closing duty. Hinge contacts are nickel-plated with a silver flash coating and a silver-clad hinge pivot for consistent, low-resistance operation.

Construction

The switch base is a one-piece, rectangular-section, heavy-gauge galvanized steel channel providing a rigid mounting platform for all three poles. Bearings are corrosion-resistant, zinc-nickel plated, and grease-packed for smooth, long-service-life operation. A one-piece interphase drive rod is factory-adjusted to ensure all three poles switch simultaneously. Mounting/operating hardware is quoted as a separate line item.

Connections

Line and load connections are configured for open-air overhead installation, with no cable termination provisions. Terminal connectors are workable with standard hot-line tools, using a hexagonal recess in the terminal pad to prevent the connector attachment bolt from turning during hot-stick operation. Bus bar and blade material throughout is copper.

Special Features

Outdoor distribution application, three-pole side-break configuration, integer-style factory assembly, steel base construction, Cypoxy station post insulators.

Ratings & Approvals

Designed in accordance with applicable ANSI/IEEE C37 series standards for high-voltage air switches, including ANSI/IEEE C37.32. Rated performance is verified through full-scale load-splitting, load-dropping, and line/cable switching tests at maximum voltage and rated current.

Customer Compliance

The final arrangements, sizes, ratings, settings, configuration, and installation details of this equipment will be established in accordance with detailed engineering review, applicable project documentation, and customer approval prior to manufacture.

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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.



Frequently Asked Questions (FAQ)

There are no Faqs



Warranty: 12 Months.

Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/342457.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=aOJY5E9e33I>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)