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RNT-MPD-MES-LBS-3P3W-1.10.2M-7.2KV-3000A-31.5K-FX-FM-BEBE-FUS-N1-CTN

RENTAL Containerized MV Load Break Switchgear Lineup, 7.2kV, 3000A Main with (10) 500A Fused Switch Positions (2 × 5), 3-Phase 3-Wire, 2 Metering Sections, 31.5kA, Floor-Mounted, Bottom Entry/Exit, NEMA 1

Product ID: 345582

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



Image: RNT-MPD-MES-LBS-3P3W-1.10.2M-7.2KV-3000A-31.5K-FX-FM-BEBE-FUS-N1-CTN

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.

RNT-MPD-MES-LBS-3P3W-1.10.2M-7.2KV-3000A-31.5K-FX-FM-BEBE-FUS-N1-CTN -
Containerized MV Load Break Switchgear Lineup
Unit Type: Containerized MV Load Break Switchgear, Fused Multi-Position Lineup

Made in the USA

Configuration: 3-Phase, 3-Wire
Assembly Type: 1 Main Incoming / 10 Outgoing Fused Switch Positions (2 × 5) / 2 PT Sections
Nominal Voltage: 7.2kV

Short Circuit Rating: 31.5kA Symmetrical

Main Bus Continuous Current: 3000A
Mounting Style: Fixed Type, Floor-Mounted
Cable Entry: Bottom Entry / Bottom Exit
Bus Material: Copper
Enclosure Type: NEMA 1

Main Incoming Section (Qty 1)

Features of Every Section

Fused Load Interrupter Switch Positions

Current-Limiting Fuses, Each Switch Position
Viewing Windows for Visual Verification of Switch Positions
Blown-Fuse Indicators Visible for Inspection
Parking Stands for Feedthroughs and Standoff Insulators
Stationary-Mounted PTs, Wye/Wye Configuration

Ratings & Approvals
Designed in accordance with applicable ANSI/IEEE standards, including IEEE C37.20.3 (Metal-Enclosed Interrupter Switchgear)
All grounding shall comply with applicable state and local codes and NEC requirements

Load Interrupter Switch, 3000A Continuous, 31.5kA Symmetrical
Voltage Sensing: Supplied from the PT Sections

PT Sections (Qty 2, One Per Busbar Section)
Potential Transformers: 3 Stationary-Mounted PTs per Section
PT Configuration: Wye/Wye
Sets: 2 (One Set Per Busbar Section)

Outgoing Switch Positions (Qty 10, Two Groups of 5)
Fused Load Interrupter Switch, 500A, 31.5kA Symmetrical (each)
Fuse Protection: Current-Limiting Fuses, Each Switch Position
Visible Grounding Provisions, Each Position

Construction
Container Housing: 40 ft Steel Container
Copper Bus, Bolted Connections
NEMA 1 Enclosure
Bottom Cable Entry / Bottom Cable Exit

Dimensions & Shipping
Overall Dimensions: 480 in W × 96 in D × 102 in H (estimate)
Approximate Weight: 26,000 lbs (estimate)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped in container
Freight arrangement per approved design

Special Features
Containerized Fused Load Break Lineup, Viewing Windows, Parking Stands, Dual PT Sections

Special Orders – Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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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 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.

This unit is for rentals

Made in the USA

The Larson Electronics RNT-MPD-MES-LBS-3P3W-1.10.2M-7.2KV-3000A-31.5K-FX-FM-BEBE-FUS-N1-CTN Containerized Medium Voltage Load Break Switchgear is a multi-position fused load interrupter switchgear lineup consisting of one incoming section and ten outgoing fused switch positions arranged in two groups of five, compatible with three-phase 7.2kV AC. Housed in a 40 ft steel container with a NEMA 1 enclosure, the assembly is a floor-mounted, bottom entry/bottom exit system for applications that need a transportable, ready-to-connect power center.

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

The **RNT-MPD-MES-LBS-3P3W-1.10.2M-7.2KV-3000A-31.5K-FX-FM-BEBE-FUS-N1-CTN** medium voltage switchgear protects, controls and isolates equipment in industrial facilities. Compatible with three-phase 7.2kV AC, the unit features a 3000A rated main bus and a 31.5kA symmetrical short-circuit rating feeding ten 500A fused load interrupter switch positions, with parking stands for feedthroughs and standoff insulators, and viewing windows for visual verification of switch positions and inspection of blown-fuse indicators. Two potential transformer sections, one per busbar section, provide system voltage sensing.

Main Incoming Section
The assembly incorporates one load interrupter switch in the main incoming position, rated 3000A continuous at 7.2kV with a 31.5kA symmetrical short-circuit rating. Voltage sensing is supplied from the potential transformer sections.

Potential Transformer Sections
Two potential transformer sections are provided, one per busbar section. Each section carries a set of three stationary-mounted potential transformers in a Wye/Wye configuration.

Outgoing Fused Switch Positions
Ten fused load interrupter switch positions are provided in two groups of five, each rated 500A with a 31.5kA symmetrical short-circuit rating. Each position is protected by current-limiting fuses and includes visible grounding provisions, with viewing windows allowing visual verification of switch position and inspection of blown-fuse indicators.

Bus System
The assembly utilizes a 3000A copper main bus with bolted connections, continuous across the lineup and sized consistent with the assembly's 31.5kA symmetrical rating.

Assembly Construction
The switchgear is furnished as a complete floor-mounted fixed-type lineup incorporating the main incoming switch, two potential transformer sections, and ten fused switch positions on the shared copper bus system. The lineup is installed and wired in a 40 ft steel container.

Construction
The enclosure is rated NEMA 1 for indoor service within the container, with bottom entry/bottom exit cable configuration at each position. Parking stands are provided for feedthroughs and standoff insulators.

Special Features
This unit includes a containerized fused load break lineup with viewing windows for position verification, parking stands, and dual potential transformer sections.

Ratings & Approvals
The assembly is designed in accordance with applicable ANSI/IEEE standards, including IEEE C37.20.3 for metal-enclosed interrupter switchgear. All grounding provisions shall comply with applicable national, state, and local electrical codes and NEC requirements.

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.

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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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-Handle Lockbox of stain-
eel and is padlockable



Switch-Operating Handle Storage



Switch-Handle Operation - ha
unfolds and clip slides over jo
to fix handle in extended posi







Image: RNT-MPD-MES-LBS-3P3W-1.10.2M-7.2KV-3000A-31.5K-FX-FM-BEBE-FUS-N1-CTN

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Export Control Classification Number (ECCN): EAR99

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- **HigResPic2** (https://www.larsonelectronics.com/images/product/HigResPic2/345582.JPG)
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