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MPD-SWGR-MV-FS-CTC-3P-4W-13.8KV-600A-S-BM-N1-M1

MV Vacuum Fault Interrupter Switchgear Cabinet- 13.8KV 3-phase, 4-wire, 600A , 6-Ways, Stainless 304L, E200, NEMA 1, Bell Green

Product ID: 305805



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-SWGR-MV-FS-CTC-3P-4W-13.KV-600A-S-BM-N1-M1 MV Switchgear Cabinet

Unit Type: Vacuum Fault Interrupter (VFI) Switchgear Cabinet
Line-In: N/A (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: N/A
Line-In Orientation: N/A
System Voltage (L-G): 13.8 KV (Wye)
Rated Voltage: 15 KV
Rated BIL Voltage: 95 KV
Continuous And Load Interrupting Current: 600 A
Short-Time And short-Circuit Interrupting Current: 16 KAIC
Phase (PH): 3-Phase
Frequency (Hz): 60 Hz (60-Cycles)
Wire: 4-wire
Quantity Of Ways: 6-Ways
Protection Method: Vacuum Fault Interrupter Switches

Made in the USA

Features Of Every Vertical Section

Structural design and anchorage adequate to resist loads imposed by 125 mph wind.
Space heater operating at one-half or less of rated voltage, sized to prevent condensation, controlled by thermostats to maintain temperature of each section above expected dew point.
Louvers equipped with insect and rodent screens and filters, and arranged to permit air circulation while excluding rodents and exterior dust.
Weatherproof ground-fault circuit interrupter duplex receptacles
Power for heaters and receptacles within main enclosure must be provided by control power transformer
Power for heaters, lights, and receptacles within the PT/CT cubicle must be provided by a control power transformer (utilizing the Utility Company's PT is not permitted)
Single control power transformer to be rated for 5 kVA with 120V output
Skid Mounted: Mount each shipping group on an integral base frame as a complete weatherproof unit

Insulation Fluid: E200

Number Of Sides: Double Sided

Selection A
Features: Source - Vacuum Switch (RVAC)
Handle: (1) Three Phase Handle
Bushings: 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory
Visible Break: 2-Position (open/closed)

Selection B
Features: Tap - VFI

Handle: (1) Three Phase Handle

Bushings: 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory
Visible Break: 2-Position (open/closed)
CT Ratio: 1000:1

Selection C
Features: Tap - VFI
Handle: (1) Three Phase Handle
Bushings: 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory
Visible Break: 2-Position (open/closed)
CT Ratio: 1000:1

Selection D

Features: Tap - VFI

Handle: (1) Three Phase Handle

Bushings: 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory

Visible Break: 2-Position (open/closed)

CT Ratio: 1000:1

Selection E

Features: Tap - VFI

Handle: (1) Three Phase Handle

Bushings: 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory

Visible Break: 2-Position (open/closed)

CT Ratio: 1000:1

Selection F

Features: Tap - VFI

Handle: (1) Three Phase Handle

Bushings: 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory

Visible Break: 2-Position (open/closed)

CT Ratio: 1000:1

Fault Indicator Provisions: Standard Provisions (1.06" diameter hole with removable SS backing plate)

Grounding Provisions : 1/2"-13 UNC Stainless Steel Nuts (Standard)

Drain Plug: Included. Standard

Motor: Included, Manual, 120 VAC, Internally Supplied

Potential Transformer (PT): Included, (1) 13800:120, For motor operation power supply, mounted on B phase of the common bus
Relay: Included, (5) SEL-751, PHASE 2 (1 SEL configured to control motor on source and 1 VFI)

Remote Trip: Included

Tank/Cabinet Material: 304L Stainless Steel

Enclosure Finish: Munsell™ 7GY 3.29/1.5 Bell Green
Enclosure Type: NEMA 1 Ventilated, Weatherproof
Mounting: Pad Mounted

Ratings
ANSI and IEEE Standards for Switchgear
NEMA 1 Indoor Use
Complies With IEEE C37.74
Complies With IEEE C37.60
Complies With IEEE C62.11
Complies With IEEE C2
Complies With IEEE C37.20.3
Complies With Utility Company's (PSEG) Primary Metering Specification Standard CS-8735
Complies With IEEE C57.12.28
Complies With IEEE 386
Complies With IEEE C37.2
Complies With IEEE 1815

Special Orders - Special Requirements
Contact us for special requirements

Dimensions: TBD
Weight: TBD
Shipping Dimensions: TBD
Shipping Weight: TBD
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 one-line diagram.

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All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in the USA

The Larson Electronics MPD-SWGR-MV-FS-CTC-3P-4W-13.8KV-600A-S-BM-N1-M1 Medium Voltage Vacuum Fault Interrupter Switchgear Cabinet provides centralized access to breakers in rugged work sites. This unit consists of six cabinets and is compatible with three-phase 13.8KV AC. Designed for indoor applications, the NEMA 1 system features five branch breakers.

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

The MPD-SWGR-MV-FS-CTC-3P-4W-13.8KV-600A-S-BM-N1-M1 medium voltage switchgear cabinet protects, controls and isolates equipment in industrial facilities. Compatible with three-phase 13.8 KV AC, the unit features an Incoming 600 A main Vacuum Interrupter Switch, 15 KV and a total of five outgoing branches 600 A Vacuum Interrupter Switches, 15 KV.

Enclosure Design: A ventilated design promotes E200 insulation Fluid and improves performance. The enclosure is NEMA 1 rated and can be used in indoor areas.

Certification: This switchgear cabinet complies with ANSI and IEEE standards.

Applications: This switchgear is suitable for indoor use and applications including, but not limited to, construction sites, plant maintenance, plant turnarounds, manufacturing operations, shows, exhibits, and warehouse 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)