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MPD-MES-FDS-3P4W-17-25KV-600A-BE-FM-MET-CU-N3R-M1

Metal Enclosed Switchgear, Medium Voltage - 25 kV, 3-Phase, 4-Wire, 600A, (1) Incomer, (7) Fused Outgoings - NEMA 3R

Product ID: 317473



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-MES-FDS-3P4W-17-25KV-600A-BE-FM-MET-CU-N3R-M1 LV Metal Enclosed Switchgear Cabinet

Unit Type: Low Voltage 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
Protection: Fused
Nominal Voltage: 25 kV AC
Rated Max Voltage: 27 kV AC
Rated BIL Voltage: 125 KV
Continuous And Load Interrupting Current: 600A
Short-Time And short-Circuit Interrupting Current: 12.5 KA
Phase: 3-Phase
Frequency (Hz): 50/60 Hz
Wire: 4-wire
Neutral Connection: Included

Incoming Breaker:

(1) Circuit Breaker, 600A Cont. Ratng, 12.5 kA Fault Rating, 50/60 Hz, 12.5 kA, 3Ph, 540 MVA 3-Ph Sym. Level of Strain (Nominal)

Ratings/Approvals

Made in the USA
Service Rated

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
Skid Mounted: Mount each shipping group on an integral base frame as a complete weatherproof unit

Metering Section:
Consists Of Pre-wired Form 9S ring-type meter socket (13-jaw)
Consists Of Pre-wired revenue-grade CTs with 1200:5 ratio and a TRF of 3.0 to accommodate up to 1200A
Consists Of Meter test bypass switch

Main Breaker Protective Features:

Adjustable trip settings

Ground fault protection
Bonding jumper between neutral and ground is installed inside the main breaker compartment and furnished with a ground fault current sensor

Outgoing Breaker(s):
(7) Fused Disconnect Feeders, 200E Cont. Rating, 200A Load Dropping

Support Frame And Enclosure Base Material: Powder Coated Steel

Busbar Material: Copper

Enclosure Finish: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)
Enclosure Type: NEMA 3R Ventilated, Weatherproof
Cable Entry: Bottom Entry
Mounting: Floor Mount/ Pad Mount
Dimensions: 109.75"-W x 79.75"-D x 61"-H
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.

Ratings
ANSI and IEEE Standards for Switchgear

NEMA 3R Indoor/Outdoor Use

Complies With IEEE C37.74
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 C37.2

Complies With IEEE 1815
Complies With IEEE 386
Complies With IEEE C62.11

Complies With IEEE C37.60

Special Orders - Special Requirements
Contact us for special requirements
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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-MES-FDS-3P4W-17-25KV-600A-BE-FM-MET-CU-N3R-M1 Low Voltage Switchgear Cabinet provides centralized access to breakers in rugged work sites. This unit consists of three cabinets and is compatible with three-phase 25 kV AC. Designed for indoor applications, the NEMA 3R system features eight branch breakers.
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*
The MPD-MES-FDS-3P4W-17-25KV-600A-BE-FM-MET-CU-N3R-M1 low voltage switchgear cabinet protects, controls and isolates equipment in industrial facilities. Compatible with three-phase 25 kV AC, the unit features an incoming 600 A main circuit breaker. The primary switch has 3 CTs 600/5A connected to hot sequence meter to monitor V, A, KVA, KW, PF, Hz also has Multi-Function Protection Relay with the following (50) Instantaneous Overcurrent, (51) Phase Time Overcurrent & (51G) Time Delay Ground Overcurrent.
Enclosure Design: A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R 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)