

VESTA-AR MV Metal Clad Arc Resistant Switchgear



VESTA-AR™ medium voltage metal clad arc resistant switchgear with magnetically actuated VM1 circuit breaker technology is designed to meet the needs of customers who demand the highest quality power distribution assembly with the smallest footprint (24" x 96" x 60").

VESTA-AR fulfills the requirement for a switchgear assembly that makes efficient use of available floor space and minimizes the time required for inspection, repair and maintenance of equipment. IEM's arc resistant technology ensures a safe and reliable solution for maintenance personnel and facility in the event of an arc flash.

IEM Metal-Clad Arc Resistant Switchgear

- Voltage 5-15kV; 95kV BIL
- Ampacity 600A – 1200A; 31.5kA
- Dimensions: 24" x 96" x 60"
- UL listed magnetically actuated VM1 circuit breaker technology
- Full front accessibility
- Draw out breaker, PT & CPT
- Front accessible 600V CT's and front connected cables
- Shortest breaker pole spacing between phases
- Infrared viewing ports
- Front and rear viewing windows
- Epoxy insulated bus bar configuration optimized for maximum heat dissipation.
- Plenum design incorporated into structural configuration. No additional height requirement.
- UL & cUL Listed; Type 2A in accordance with ANSI/IEEE standards

VESTA-AR™

Smallest footprint

**Magnetically actuated VM1
circuit breaker technology**

Front Accessibility

Rear Viewing Windows

**Infrared (IR) Viewing Ports
(Optional)**

Insulated Bus Bar System

KEMA-Powertest completed

**Indoor and Outdoor
Applications**

**UL Listed; Meets ANSI, IEEE,
and NEMA Standards**

Front Accessibility

Full front accessibility for cable connections and current transformers (CT); this design feature ensures ease of maintenance, minimal usage of floor space and creates a safe environment. Vesta has the shortest breaker pole spacing between phases that can accommodate 600V CT's.

Rear Viewing Windows

Rear viewing windows provide complete visibility of internal compartments. This larger viewing casement allows complete access to viewing of the bus bar compartment for maintenance to assess any signs of overheating of the bus.

Infrared (IR) Viewing Ports (Optional)

Front and rear infrared viewing ports allow maintenance personnel to easily access thermal monitoring of the equipment without having to open the enclosure. IR technology ensures the operators safety while assessing the equipments internal components for possible overheating.

Insulated Bus Bar System

Medium Voltage insulating and support system with specialty designed structure for current transformers (CT's). Epoxy insulated bus as standard.

Testing

KEMA-Powertest completed. Rigorous testing shows fully reinforced and sealed joints, hinges and latches, which reduce the risk of damage to maintenance personnel and other existing equipment in the event of an arc flash.

IEM Difference

All enclosures are designed for specific application with improved dimensional flexibility and finished using state of the art powder coating system providing an indoor finish that exceeds the 1500 hour salt spray testing requirement for outdoor equipment to 3000 hours.

Technical Specifications

UL & cUL Listed, Meets or exceeds type 2A in accordance with ANSI/IEEE 37.20.7.



Industrial Electric Mfg.™ (IEM)

Headquartered in Fremont, CA, IEM is the largest independent full-line manufacturer of electrical distribution and power quality equipment in the U.S. For over half a century, IEM has delivered customer-specific solutions to meet the ever changing power requirements of growth industries in North America. At IEM, tradition and technology still drive innovation. An experienced engineering staff and one of the most flexible design and manufacturing systems in the industry set IEM apart from standard product manufacturers.



Tradition. Technology. Innovation.

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