

IEM Low Voltage Power Circuit Breaker Switchgear



IEM's unique approach to engineering and manufacturing allows us to assemble products that meet specialized dimensional and electrical requirements.

Our flexible capabilities allow for the selection of industry leading components including control and measuring devices, allowing for a superior, fully customizable control and monitoring electrical assembly. This is just one element of IEM's superior control solutions to provide protection and operational reliability for any quality power distribution assembly.

Depending on the users' technical and physical requirements, UL 1066 power circuit breakers can be mounted in a fixed or drawout configuration. Indoor, outdoor non walk-in enclosures are available in an extensive selection of durable color finishes.

Features/Benefits

- Voltage: up to 600V; Ampacity: up to 5000A
- UL 1066 Circuit Breaker; or CSA
- Through the door breaker operation
- Front accessibility to control and communication wiring
- Isolated access to all wiring
- All breakers have unique drawout design allowing for through-the-door racking
- Short-circuit rating 125kA / 100kA (600V)
- Short-time withstand rating up to 100kA / 85kA (600V)
- Bolted copper bus provided as standard
- Large rear cable compartment pull area allowing maximum room for power cables
- Bus provision for future equipment expansion

Full Customization and Design Flexibility

Component and Metering Selection Flexibility

Bus Based on Density Ratings

Seismic Tested to Worst Case Response Spectrum

Indoor and Outdoor Applications

UL or CSA Listed; Meets ANSI, IEEE, and NEMA Standards

Features/Benefits (cont'd)

- System designed for maximum uptime with low maintenance
- Modular circuit breaker designed for easy addition of control accessories
- Circuit breakers are available in various levels of interrupting ratings from 42–200kA at 480V and 130kA at 600V
- Circuit breaker is available in an 800A frame size and 42kA at 480V interrupting rating
- Up to 4 circuit breakers can be mounted in a 30-inch wide section (up to 1200A)
- Circuit breakers of like frame sizes and interrupting ratings are interchangeable
- Available in NEMA 3R outdoor enclosures

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.

Component and metering selections are based on value engineering for the application and optimized to meet specifications.

Recent Developments

Seismic testing completed – fully qualified to worst-case response spectrum.

Technical Specifications

IEM Low Voltage Switchgear meets or exceeds applicable standards including ANSI C37.20.1.

IEM Low Voltage Switchgear meets seismic testing, circuit requirements as outlined by IEEE344 and ICC-ES-AC156.



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.



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