



Low Voltage Power Circuit Breaker Switchgear UL 1558



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 enclosures are available in an extensive selection of durable color finishes.

LV Switchgear UL 1558

Full Customization and Design
Flexibility

Component and Metering
Selection Flexibility

Bus Based on Density Ratings

Seismic Tested to Worst Case
Response Spectrum

Indoor Applications

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

Metal-Clad Arc-Resistant Switchgear

- Voltage: up to 600V; Ampacity: up to 10,000A
- UL 1066 Circuit Breaker
- 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 withstand (4 cycle): Up to 200kA
- Short-time withstand (30-cycle): 65 kA, 85kA
- Bolted copper bus provided as standard
- Large rear cable compartment pull area allowing maximum room for power cables



Features & Benefits Con't

- Bus provision for future equipment expansion
- 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 635VAC
- Up to 4 circuit breakers can be mounted in a 24-inch wide section (up to 1600A frames), max 5000A per section
- Circuit breakers of like frame sizes and interrupting ratings are interchangeable
- 1558 switchgear can be integrated with our UL 1008 transfer switch equipment in a single lineup
- Service entrance and utility sections

Seismic Rating

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

Technical Specifications

IEM Low Voltage Switchgear meets or exceeds applicable standards including UL1558, and ANSI C37.20.1.

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

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.



Industrial Electric Mfg.

iemfg.com

