

LORAIN® DB 484800 Battery Distribution Fuse/Circuit Breaker Bay

■ DC Power for
Business-Critical Continuity

Key Features

- **360° access** — front access provides back-to-back or wall installation, as well as side and rear access for conventional applications
- **High capacity** — offers either an eight bus to 4,800 amps, or six bus to 3,600 amps continuous rating, with maximum loading up to 168 fuse or circuit breaker positions
- **Modular design** — initial and field installed interchangeable fuse and circuit breaker distribution modules
- **Fuse protection** — utilizing TPS, TPA and TPL fuses protects circuits ranging from 0-150 amps
- **Circuit breaker protection** — LEL plug-in breakers available in current ratings of 1-150 amps
- **Multiple circuit breaker types** — options range from bolt-in to plug-in
- **NEBS level 3 compliance** — meets or exceeds all relevant GR1089, GR63 and UL specifications

Description

The LORAIN® DB 484800 Battery Distribution Fuse/Circuit Breaker Bay (BDF/CBB) features high capacity, front access, modularity, and simplified installation. These features provide effective secondary load distribution and protection for multiple -48 VDC feeds up to 600 amps. The base offering is a vertical arrangement of modular distribution providing 360° access for ease of installation, maintenance and expansion.

The LORAIN® DB 484800 BDF/CBB system consists of a standard or Zone 4 box framework, with either six or eight buses, top or bottom feed/distribution. The system offers a wide variety of options including box frame extensions, internal ground bars and a paralleling feature that permits multiple loads to be tied together, internal input cabling options and transient voltage surge suppression. The universal ground bars can be mounted to overhead framing or a cable rack. The physical dimensions are 7' (2.13m) high by 26" (66.04cm) wide by 15" (38.10cm) deep.

Application

The LORAIN® DB 484800 is ideally suited for central office, co-location, and other applications requiring effective secondary load distribution and protection of power plants up to 600 amp capacity per load.

Additional Information

For additional specification, engineering and installation information request drawing SAG582120600.



LORAIN® DB 484800

Battery Distribution Fuse/Circuit Breaker Bay

Options

Option	Description
Digital metering	Digital metering provides both current and voltage for each bus
Single or parallel buses	Paralleled buses provide maximum configuration flexibility
Bus metering	Separate bus current and voltage readings
Adjustable dressing bars	Sliding dressing bars for reduced output cable installation time
Precharge	Precharge module for TPS and TPJ fuseholders
Box framework extension	8'0" (1.37m), 9'0" (2.74m) and 11'6" (3.50m) extensions
In-line fuse kit	Provides internal power to alarm and meter circuits
Cable management kit	Grooming kit for load cable dressing
Transient voltage protection	Bus voltage protection for sensitive electronic equipment

Distribution Modules

The distribution modules are factory configurable with one or more of the available fuseholders or circuit breakers. Distribution modules can be populated in varying combinations. See "6 Bus" and "8 Bus" charts to the right for options.

6 Bus Maximum Distribution Module Population

Quantity	Type	Description
16	TPS	0-70 amp fuseholders
10	TPL	60-150 amp fuseholders
28	LEL/TPS	0-150 amp plug-in circuit breakers or 0-100 amp TPS/TFD fuses

Monitoring

A fuse or breaker alarm (LED) is provided for each bus, and a bay alarm (LED) is visible from a wide angle. Three form C contacts are provided for remote alarm monitoring. ABS or local powering capabilities for monitoring are included.

8 Bus Maximum Distribution Module Population

Quantity	Type	Description
12	TPS	0-70 amp fuseholders
6	TPL	60-150 amp fuseholders
16	LEL/TPS	0-150 amp plug-in circuit breakers or 0-100 amp TPS/TFD fuses

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