

NetSure™ 801DB

Distribution Bay

Key Features

- High capacity up to 4,800 amp (eight panel) or 3600 amp (six panel) continuous rating with an interrupting capacity of 10,000 amps
- Each panel is configured for up to 800 amp feed, delivering a continuous rating of 640 amps
- Optional BDFB Ethernet Card (BEC) interfaces through Web pages, SNMP and Modbus
- Modular design with interchangeable fuse and circuit breaker distribution modules
- TPS, TLS and TPL fuses protect circuits ranging from 3 amps to 250 amps
- Circuit breaker protection with plug-in bullet breakers available in current ratings of 1 amp to 250 amps
- NEBS level 3 compliance, meets or exceeds all relevant GR1089, GR63 and UL specifications
- Digital metering for current and voltage monitoring
- Three ground return options
 - overhead bus bars
 - internal panels
 - internal full bay:
1200 A standard; 2400 A optional
- Easy access to cables and terminations simplifies installation and maintenance

The high capacity, modular NetSure™ 801DB delivers effective secondary load distribution ideal for core facilities. Larger frame options are now available to accommodate increasing demand.

Description

The NetSure 801DB distribution bay features high capacity, modularity, and simplified installation. These features provide effective secondary load distribution and protection for multiple -48 VDC feeds up to 640 amps (800 amps 20% derated). Each panel holds up to 168 fuse or circuit breaker positions per bay. The 801DB may be configured for 2, 4, 6 or 8 busses.

The NetSure 801DB consists of a Zone 4 welded framework, with either six or eight panels and top or bottom feed/distribution. The system offers a wide variety of options including box frame extensions, internal ground bars with a paralleling feature that permits multiple panels to be tied together, and transient voltage surge suppression. The universal return bars can be mounted to overhead framing or a cable rack.

The bay is now available in 7' H x 26" W x 15" D (2.13 m x 66.04 cm x 38.1 cm) or a larger option: 7' H x 30" W x 24" D (2.13 m x 76.2 cm x 60.96 cm).

Application

The NetSure 801DB is ideally suited for central office, co-location, and other applications requiring effective secondary load distribution and protection of power plants up to 640 amp capacity per load.

Additional Information

For additional specification, engineering and installation information request SAG582120600.



Distribution Modules

The distribution modules are factory configurable with one or more of the available fuseholders or circuit breakers, and can be populated in varying combinations.

See the “6 Panel” and “8 Panel” charts to the right for options.

Monitoring

The meter panel provides monitoring of two current thresholds, two voltage thresholds and a fuse alarm on each panel. The voltage and current values for each panel continuously scroll across the bottom line of the meter panel, allowing the voltage and current readings on each bus to be taken without touching the bay. Four programmable relays are provided that may be programmed to any or all of the alarm conditions. Alarms may be sent over Modbus or SNMP and thresholds are remotely set via web pages, and all bus designations are user configurable. Retrofit kits are available to upgrade existing list 105 and 107 bays with the new meter panel.

Four GMT fuse positions are provided for remote ABS loads as well as individual GMT fuses on feeds to the meter and alarm panels, eliminating the need for inline fuses used in previous models. Options allow the bay to be ABS sourced internally or remotely.

6 Panel Bay Distribution Population

Qty./Panel	Qty./Bay	Type	Description
20	120	TPS/TLS	3 A to 70 A fuseholders*
10	60	TPL	70 A to 250 A fuseholders*
28	168	Bullet	1 A to 250 A circuit breakers
28	168	TPS/TLS	3 A to 125 A bullet fuseholders
0	4	GMT	1.33 amp for ABS supply**

* Panels may be factory or field configured for either TPS or TPL fuses. Each TPL fuseholder will take the place of two TPS fuseholders.

** Fuses supplied from factory.

8 Panel Bay Distribution Population

Qty./Panel	Qty./Bay	Type	Description
12	96	TPS/TLS	3 A to 70 A fuseholders*
6	48	TPL	70 A to 250 A fuseholders*
16	128	Bullet	1 A to 250 A circuit breakers
16	128	TPS/TLS	3 A to 125 A bullet fuseholders
0	4	GMT	1.33 amp for ABS supply**

* Panels may be factory or field configured for either TPS or TPL fuses. Each TPL fuseholder will take the place of two TPS fuseholders.

** Fuses supplied from factory.

Options

Option	Description
Single or Parallel Busses	May be configured for 2, 4, 6 or 8 busses rated at 640 A continuous
Adjustable Dressing Bars	Sliding dressing bars for reduced output cable installation time
Precharge	Precharge module for TPS fuseholders
Box Framework Extension	1.37 m (8'), 2.74 m (9') and 3.50 m (11' 6") extensions
Cable Management Kit	Grooming kit for load cable dressing
Transient Voltage Protection	Bus voltage protection for sensitive electronic equipment
BDFB Ethernet Card (BEC)	Provides web pages and SNMP or Modbus
2400 Amp Internal Return Bars	Provides additional feeds at the opposite end and increases capacity to 2400 A per side; comes with optional bonding strap
Factory Installed Hardware	Hardware (flat. lock & nut) are factory installed on every stud
Hardware Kit	Hardware provided in bulk, not installed in the factory

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