600A Dual-Feed Load Center Panel

Power :: 8/8-Position Circuit Breaker or Fuse Panel, Integrated GMT Fuses, 4 RU in Height

Overview

Telect engineered this innovative high-current circuit breaker/fuse panel specifically to distribute power to network elements that draw between 60A to 80A of power, such as network routers, data servers, MCPAs or other standard equipment that would typically be supported by a battery distribution frame.

This next-generation panel provides the flexibility for both primary and secondary distribution, delivering the ampacity of a battery distribution frame, the capability and alarming of a GMT fuse panel, and the compact size of a high-current circuit breaker panel — all in a single solution.

Each of the 600A feeds provides power to eight output positions, with a broad range of options to fit your requirements. Choose from field-replaceable circuit breakers (single-pole or double-pole) or TPC fuses. Holders are also available for installation of TPS/TLS fuses with GMT indicators. Separate covers are required when using these fuse holders.

Front View

Primary Benefits

- High-current capability – two 600A inputs
- High-power distribution – eight 100A single pole positions per input
- Handles single-pole, double-pole or triple-pole circuit breakers, standard-trip or mid-trip
- Supports TPC, TPS and TLS fuses
- Field configurable – bullet style connectivity:
  - -Airpax-LEL or Carling CA1 standard breakers
  - -Airpax-LMC or Carling CT1 mid-trip breakers
  - -Telpower TPC fuse holders
  - -CSI TFD fuse holders
- Fuse panel convenience – five 15A GMT fuses per input
- Universal voltage applications – ±24 VDC and -48 VDC operation supported
- Full alarming capability – panel and bay alarm indication
- Industry compliant – UL, cUL and NEBS level 3
- Rack mountable – Both 19" and 23" rack-mount capable

Rear View, Cover Removed

Applications

- Network routers
- Data servers
- MCPAs
- Other standard equipment supported by BDFBs
- CO, data center, wireless, remotes and co-locates

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Ordering Information

Part Number	Description
600CB08	600A Dual-feed 8/8 load center panel

Accessories

Single-Pole Circuit Breakers

Standard-Trip		Mid-Trip	
116671	30A	128264	30A
116672	40A	127186	40A
116673	50A	127185	50A
118160	60A	127881	60A
118161	70A	138671	70A
118162	80A	138670	80A
118163	90A	138669	90A
118159	100A	138692	100A

Multi-Pole Circuit Breakers

Double-Pole		Triple-Pole	
134634	125A	134636	200A
134635	150A	134637	225A
135921	175A	134638	250A
600CB08-2PK		2-Pole adapter, 5/8" C-C	
600CB08-RPK		2-Pole adapter, 1" C-C	
600CB08-3PK		3-Pole adapter, 1" C-C	
600CB08-MPK		Multi-pole cover kit	
Fuses	TPC	TPS	TLS
30A	125442	130478	N/A
40A	125443	130482	N/A
50A	125444	130484	N/A
60A	125445	130486	N/A
70A	N/A	130488	N/A
75A	125446	N/A	N/A
80A	N/A	N/A	140640
90A	125447	N/A	140641
100A	125448	N/A	140642
129347	TPC fuse holder		
129816	TFD fuse holder for TPS/TLS fuses		
600CBXX-CFK	Fuse holder cover for TPC and TFD fuse holders		

Specifications

Electrical	
Nominal voltage	±24 VDC and -48 VDC
Input rating	600A
Max. input interrupt device	750A
Max. output protection device	100A single-pole breaker 175A double-pole breaker 250A triple-pole breaker 100A TPC fuse 70A TPS fuse 100A TLS fuse 15A GMT fuse
Power dissipation (full load)	60W
Mechanical	
Dimensions	17.25"W x 7"H x 11.6"D (178 mm x 438 mm x 295 mm)
Weight	47 lbs. (21.3 kg) with breakers 42 lbs. (19.1 kg) without breakers
Material	Steel
Finish	White, powder coat
Mounting	19" or 23" racks, flush-mount
Environmental	
Temperature	-5° C to 55° C
Humidity	0-90%, non-condensing
Connections	
Input terminals	3/8" holes, 1" centers Max. tongue width 2"
Output terminals	1/4" holes on 5/8" spacing Max. tongue width 0.7"
Chassis ground	1/4" holes on 5/8" spacing Max. tongue width 0.7"
Alarms	
Indicators	Bay alarm, power and fuse alarms
Type	Form C
Compliance	
Agency Compliance	NEBS 3, UL, cUL

Side View

See all of the Telect power distribution solutions, application details, additional product documentation and more online at Telect.com.

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