

600A Dual-Feed Load Center Panel

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.

Primary Benefits

- High-current capability – two 600A inputs
- High-power distribution – eight 100A single pole positions per input
- Handles single-pole or double-pole breakers
- Supports TPC, TPS and TLS fuses
- Field configurable – bullet style connectivity:
 - Airpax-LEL circuit breakers
 - Telpower TPC fuse holders
 - CSI TFD fuse holders
- Fuse panel convenience – five 15A GMT fuses per input
- Universal voltage applications – $\pm 24\text{Vdc}$ and -48Vdc operation supported
- Full alarming capability – panel and bay alarm indication
- Enhanced usability – circuit breaker fuse cover protects from inadvertent trip
- Industry compliant – UL, CUL, CE and NEBS level 3
- Rack mountable – Both 19" and 23" rack-mount capable



Front View



Rear View, Cover Removed

Applications

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

Ordering Information

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

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Accessories

Single-Pole Circuit Breakers

1A	118714	30A	116671
2A	119103	40A	116672
3A	124210	50A	116673
5A	117852	60A	118160
10A	116669	70A	118161
15A	115999	80A	118162
20A	116670	90A	118163
25A	117402	100A	118159

Double-Pole Circuit Breakers

125A	134634
150A	134635
175A	135921
Load connection adapter	600CB08-2PK

Fuses	TPC	TPS
25A	125441	130476
30A	125442	130478
40A	125443	130482
50A	125444	130484
60A	125445	130486
70A	N/A	130488
75A	125446	N/A
90A	125447	N/A
100A	125448	N/A
TPC fuse holder		129347
TFD fuse holder for TPS/TLS fuses		129816
Fuse holder cover		600CBXX-CFK



Side View

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 100A TPC fuse 70A TPS 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

Agency Compliance	NEBS 3, UL, cUL
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See all of Telect's power distribution solutions, application details, additional product documentation and more online at Telect.com.