

600A Dual-Feed Load Center Panel

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



Overview

Amphenol Network Solutions 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.

Key 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



Fig. 1: Front View



Fig. 2: Rear View, Cover Removed

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Applications

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

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 | 138392 | 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 | | |

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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 |



Fig. 3: Side View

See amphenol-ns.com for our full line of power distribution panels, systems, and accessories.

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