

600A Dual-Feed Load Center Frame

Power :: 10/10 Position Circuit Breaker or Fuse Panel

Overview

The Amphenol Network Solutions 600A dual-feed load center frame provides high power capacity in a space-saving 2 RU panel. Engineered for high-density enclosure solutions, the panel is ideal for high current router and primary distribution applications.

The panel provides front access to circuit breakers or fuses, as well as LED indicators. Based on your configuration, the 600A feed provides power for up to 10 output positions, with a broad range of options to fit your requirements. Choose from field-replaceable circuit breakers (single-pole to four-pole) or TPC fuses, up to 100A per position. Holders are also available for installation of TPS/TLS fuses with GMT indicators.

The 600CB10 contains 10 interrupter positions on each side and fits in a 19" rack (an adapter kit can be purchased separately to mount the 600CB10 in a 23" rack). Options allow for either vertical or horizontal input cabling; both panel inputs also features a top polycarbonate cover.

Key Benefits

- Handles circuit breakers or fuses to fit a variety of standards and practices
- 600A input and 1A to 400A outputs provide flexible power distribution to secondary panels and to a variety of network elements
- Universal $\pm 24/-48$ operating voltage for wireless and central office applications
- UL and NEBS certified
- Open-frame design facilitates heat dissipation



Fig. 1: 600CB10 Front



Fig. 2: 600CB10 Rear View



Fig. 3: 600CB10-C Rear View

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Applications

- Indoor or outdoor enclosures
- MCPA
- Primary distribution

Steps for configuring a panel:

1. Choose vertical or horizontal input
2. Add additional multi-pole connections if required
3. Select circuit breakers or fuses
 - If fuses, choose TPC or TFD holders
 - Select circuit breaker or fuse amperage values

600A Dual-Feed Load Center Frame Panel	Part Number
10/10 load center frame, vertical, loaded	600CB10-VL
10/10 load center frame, horizontal, loaded	600CB10-CL
Adapter kit to mount 600CB10 in a 23" rack	02117-02+746
Adapter kit for double-pole input ¹	600XB1X-2FA

Load Connections	Part Number
Single-pole	600CB1X-1PK
Double-pole	600CB1X-2PK
Triple-pole	600CB1X-3PK
Four-pole	600CB1X-4PK

Single-pole Breakers	Part Number	Multi-pole Breakers	Part Number
30A	116671	125A (2-pole)	134634
40A	116672	150A (2-pole)	134635
50A	116673	175A (2-pole)	135921
60A	118160	200A (3-pole)	134636
70A	118161	225A (3-pole)	134637
80A	118162	250A (3-pole)	134638
90A	118163	400A (4-pole)	143962
100A	118159	Adapter (1" C-C) ²	600CB08-RPK

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Fuses	TPC	TPS	TLS
25A	125441	130476	N/A
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	142642
125A	125449	N/A	140644
TPC fuse holder ³		129347	
TFD fuse holder (for TPS/TLS fuses) ³		129816	
Fuse holder cover ⁴		600CBXX-CFK	

Specifications

Electrical	
Nominal voltage	±24 VDC and -48 VDC
Input rating	600A
Max. input interrupt device	750A
Max. output protect device	100A single-pole breaker 175A double-pole breaker 250A triple-pole breaker 400A four-pole breaker 125A TPC fuse 70A TPS fuse 125A TLS fuse
Mechanical	
Dimensions	
Width: 600CB10 (all models)	19-in (482 mm)
Height:	3.5-in (88 mm)
Depth:	12-in (305 mm)
Weight (without packaging and accessories)	600CB10: 18 lbs (8.2 kg) 600CB10-XL: 21 lbs (9.5 kg)
Weight, shipping	600CB10: 25 lbs (11 kg) 600CB10-XL: 28 lbs (12.7 kg)
Material and finish	Cold-rolled steel; white powder coat
Mounting	600CB10: 19" rack, flush-mount
Environmental	
Temperature	-5° C to 55°C
Humidity	0 – 90%, non-condensing

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Connections	
Input terminals	3/8-16 studs on 1" centers, accept up to 750 kcmil lugs, max. width 1.94"
Output terminals	Single-pole: 1/4-20 studs on .625" centers; lugs up to .625" wide Double-pole: 1/4-20 studs on .625" centers; lugs up to 1.7" wide Triple-pole: 3/8-16 studs on 1" centers; lugs up to 1.7" wide Four-pole: 3/8-16 studs on 1" centers; lugs up to 2" wide
Return terminals	1/4-20 studs on .625" centers; lugs up to .650" wide
Chassis ground	1/4-20 pem nuts, bolt-on connection on .625" centers; lugs up to 2" wide; ground on both sides of chassis
Alarms	
Indicators	Power and fuse (critical, major, minor)
Type	Form C
Compliance	
Agency compliance	UL Recognized, NEBS 3

1 Two kits are required for dual feed inputs.

2 Required when using the 600CB1X-3PK or 600CB1X-4PK.

3 Holder kits contain fuse holder, cover and fasteners.

4 Load connection kits contain receptacle, strap assembly and lug fasteners.