

Westell® | High Density TPA Protection Panel

Dual 400A Bus, 1RU, 19" Rack Mount



General Information

Westell's NPDCB400D8 platform is enhanced with TPA fusing to offer the industry's highest input ampacity and highest density in a compact 1RU, 19" rack mount package. The NPTPA400D8 with quick-connect outputs and the NPTPA400D8-ST with screw terminal outputs are the perfect fit for applications limited on space but yet need up to 16 total 50A power feeds.

Westell's newest DC protection panel addresses the evolving needs of network engineers, with the highest ampacity in the industry in its form and fit, quick-connect outputs for unparalleled performance and usability, or screw terminal outputs for legacy network connectivity.

Quick-connect outputs eliminate the need for lugs and screw-down termination and this design provides simple plug and play installation along with enhancing wire management within the rack.

Product Highlights

- High input capacity of 320A continuous (400A rated) per bus in a dual bus design enables the highest efficiency of power distribution in TPA 1RU panel applications
- Maximum TPA output capacity of 50A supported for each TPA position
- LED indication of open fuse per or fuse holder
- Quick-connect output design allows for a stackable footprint to support optimized equipment layouts
- 240A at +70°C operation permits panel to be used in the most demanding inside and outside plant environments with the highest performance and reliability
- 8x8 dual bus capacity supports moderate and high density 1RU 19" rack width applications
- Made in the USA to comply with BAA, TAA and BABA, built and shipped from Aurora, IL



NPTPA400D8 and NPTPA400D8-ST

Key Applications

- Wireless to edge backhaul
- Centralized 5G BBU applications
- DC Servers and Routers
- MSO Aggregation Service Routers
- DC Data Centers

Ordering Information

Part Number	Description
Circuit Breaker Panel:	
NPTPA400D8	Quick-Connect TPA protection panel, dual bus, 320A/bus, Eight 50A TPA outputs/bus, output connectors, 19/23" rack mount, 1RU
NPTPA400D8-ST	TPA protection panel, dual bus, 320A/bus, Eight 50A TPA outputs/bus, screw terminal outputs, 19/23" rack mount, 1RU
TPA Fuses:	
FF-TPA50	Bussmann TPA fuse, 50A
FF-TPA40	Bussmann TPA fuse, 40A
FF-TPA30	Bussmann TPA fuse, 30A
FF-TPA25	Bussmann TPA fuse, 25A
FF-TPA20	Bussmann TPA fuse, 20A
Plugs:	
502-000426	Sine PRM 4 mm Plug 6-8 AWG
502-000459	Sine PRM 4 mm Plug 10-12 AWG
502-000460	Sine PRM 4 mm Plug 14-16 AWG



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Product Specifications

Voltage	+/-24Vdc, +/-48Vdc
Input Bus	Dual
Current/Bus	320A @ 55C, 280A @ 65C, 240A @ 70C
Input Terminals	Dual stud 3/8-16 @ 1" C-C
Outputs/Bus	8
Current/Output	50A max rated 40A max continuous
Output Terminals	4.0 mm PRM connectors – quick-connect outputs #6 Screw, 0.375" max lug width – screw terminal outputs
Ground Terminals	Dual threaded-hole 1/4-20 @ 5/8" C-C
Alarms	LED @ front panel and fuse holder Dry-form C: NC, NO, C pins
Dimensions W x H x D	17" x 1.75" x 15.8"
Weight	~15 lbs
Compliance (Pending)	NRTL Listed to UL 62368-1 NEBS Level 3: Telcordia GR-63 and GR-1089
Color	Off-white



NPTPA400D8 Rear Terminals



NPTPA400D8-ST Rear Terminals

