Westell® | High Density DC Protection Panel

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

General Information

Westell's power distribution platform, the NPDCB400D8 with quick-connect outputs and the NPDCB400D8-ST with screw terminal outputs, offers some of the industry's highest amperages available in a compact high-density package. With dual 400A busses in a 1RU, 19" rack mount package, they are the perfect fit for the applications limited on space but yet need up to 70A 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.

NPDCB400D8 and NPDCB400D8-ST

Key Applications

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

Product Highlights

- High input capacity of 400A per bus in a dual bus design enables the highest efficiency of power distribution in circuit breaker 1RU panel applications
- Maximum circuit breaker output capacity of 65A supported for each breaker position
- Maximum TPS fuse output capacity of 70A supported for each position using optional NPTPS70H fuse holder
- Automatic detection of installed circuit breakers or fuse holders eliminates the need for manual DIP switches
- Quick-connect output design allows for a stackable footprint to support optimized equipment layouts
- 240A at +60°C operation permits panel to be used in the most demanding inside plant environment 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

Ordering Information

Part Number	Description
Circuit Breaker Panel:	
NPDCB400D8	Quick-Connect DC protection panel, dual bus, 400A/bus, Eight 65A/70A CB/Fuse outputs/bus, output connectors, 19/23" rack mount, 1RU
NPDCB400D8-ST	DC protection panel, dual bus, 400A/bus, Eight 65A/70A CB/Fuse outputs/bus, screw terminal outputs, 19/23" rack mount, 1RU
Circuit Breakers/Fuse Holder:	
509-200090	Sensata CER Bullet breaker, 65A
509-200091	Sensata CER Bullet breaker, 60A
509-200092	Sensata CER Bullet breaker, 50A
509-200093	Sensata CER Bullet breaker, 40A
509-200094	Sensata CER Bullet breaker, 30A
509-200097	Sensata CER Bullet breaker, 25A
509-200095	Sensata CER Bullet breaker, 20A
509-200096	Sensata CER Bullet breaker, 15A
NPTPS70H	CSI 1RU TPS Fuse Holder. 70A max
Plugs:	
502-000426	Amphenol Plug 6-8 AWG
502-000459	Amphenol Plug 10-12 AWG
502-000460	Amphenol Plug 14-16 AWG

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Product Specifications

Voltage	+\-24Vdc, +\-48Vdc
Input Bus	Dual
Current/Bus	Circuit Breakers: 400A @ 40C, 320A @50C, 240A @ 60C Fuses: 400A @ 45C, 320A @ 55C, 240A @ 65C
Input Terminals	Dual stud 3/8-16 @ 1" C-C
Outputs/Bus	8
Current/Output	65A max rated – circuit breaker 70A max rated – fuse 50A max continuous – screw terminal outputs 56A max continuous – quick-connect outputs
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 ¼-20 @ 5/8" C-C
Alarms	LED @ front panel Dry-form C: NC, NO, C pins
Dimensions W x H x D	17" x 1.75" x 15.8"
Weight	~15 lbs, empty chassis
Compliance (Pending)	NRTL Listed to UL 62368-1 NEBS Level 3: Telecordia GR-63, GR-1089
Color	Off-white

NPDCB400D8-ST Rear Terminals

NPDCB400D8 with Circuit Breakers Installed

NPDCB400D8 Rear Terminals

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