

125A Demarcation Circuit Breaker/ Fuse Panel

High-Current 8-Position; Breakers or TPS/TLS Fuses;
2RU in Height



Overview

Deploy a clear layer of power demarcation, protection or delineation between service providers and customers with Amphenol Network Solutions' high-current 2RU demarcation panel. With a 125A input rating for each of eight pass-through feeds, this panel provides more than sufficient capacity for most high-current applications.

For use at the equipment interface, the 125DM08 panel features built-in flexibility to meet your requirements. Each of eight positions handles TFD fuse holders or bullet-style standard-trip circuit breakers. A replaceable alarm card contains power and alarm LEDs.



Breakers and fuses must be ordered separately. See next page for ordering information.

Primary Benefits

- High-current capabilities - eight 125A inputs
- High-power distribution - four output positions per side
- Field configurable - bullet-style connectivity:
 - Airpax LEL or Carling CA1 circuit breakers
 - CSI TFD fuse holders
- High output capacity - up to 100A circuit breakers or 70A TPS or 125A TLS
- Universal voltage applications - ± 24 VDC and -48 VDC operation supported
- Industry compliance - UL, cUL, and NEBS level 3
- Rack mountable - fits both 19" and 23" racks
- Rear covers included - covers all input and output power connections

Applications

- Power demarcation
- Pass-through testing point
- Central offices, data centers, remotes, co-locates

Specifications

Electrical	
Voltage	Nominal: ±24/-48 VDC; Range: ±20 to ±28 VDC; -40 to -60 VDC
Input rating	125A per position
Max. input interrupt device	150A per position
Max. cont. output load rating	100A per position
Power dissipation (full load)	17W per I/O
Short circuit withstand rating	5000A
Mechanical	
Dimensions	17.25" W x 3.5" H x 9" D (438 mm x 89 mm x 229 mm)
Weight	19 lbs. (8.6 kg)
Material	Cold-rolled steel
Finish	White, powder coat
Mounting	19"/23", EIA/WECO
Environmental	
Operating temperature	-5° to 53° C (23° to 127° F)
Humidity	0 to 90%, non-condensing
Connections	
Terminal stud sizes	1/4"-20 dual studs on 5/8" centers 1/4"-20 dual PEMS on 5/8" centers (side ground)
Battery and return wire sizes	#8 to #1 AWG
Ground wire size	#10 to #2 AWG (based on input fuse)
Alarms	
Alarm indicators	Power, breaker/fuse alarms
Alarm card power rating	1W
Alarm wire size	Solid: #26 to #22 AWG
Relay contact ratings	0.6A at 60 VDC
Compliance	
Agency compliance	UL, cUL, NEBS 3

Ordering Information

Description		Part Number	
High-current demarcation panel: 125A 8-position; breakers or TPS/TLS fuses, white		125DM08	
Circuit Breakers with Faceplates			
Amperage	Part Number	Amperage	Part Number
20A	090-0052-0020	60A	090-0052-0060
25A	090-0052-0025	70A	090-0052-0070
30A	090-0052-0030	80A	090-0052-0080
40A	090-0052-0040	90A	090-0052-0090
50A	090-0052-0050	100A	090-0052-0100
Fuses			
Amperage	Part Number	Amperage	Part Number
80A TLS	140640	25A TPS	130476
90A TLS	140641	30A TPS	130478
100A TLS	140642	40A TPS	130482
110A TLS	140643	50A TPS	130484
125A TLS	140644	60A TPS	130486
		70A TPS	130488
TFD Holder for TLS/TPS fuses, with plastic cover		090-0001-0033	
TFD Holder for TLS/TPS fuses, with metal cover		090-0001-0034	

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