

125A Demarcation Circuit Breaker/Fuse Panel

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

Overview

Provide a clear layer of power demarcation, protection or disconnect between primary power and equipment with Telect's High-Current 2 RU Demarcation Panel. With a 125A input rating for each of eight pass-through feeds, this panel provides more than sufficient capacity for today's high-current applications.

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

Applications

- Power demarcation
- Service disconnect
- Central offices, data centers, remotes, co-locates

Primary Benefits

- High-current capabilities – eight 125A inputs
- 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 fuses
- Universal voltage applications – ± 24 VDC and -48 VDC operation supported
- Industry compliance planned – UL, cUL, and NEBS level 3
- Rack mountable – fits both 19" and 23" racks
- Rear cover included – covers all input and output power connections



Front view



Rear view

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Specifications

Electrical

Voltage	Nominal: $\pm 24\text{V}/-48\text{ VDC}$; Range: ± 20 to $\pm 28\text{ VDC}$; -40 to -60 VDC
Input rating	125A per position
Max. input interrupt device	155A
Max. cont. output load rating	100A
Power dissipation (full load)	17W per I/O
Short-circuit withstand rating	5000A

Mechanical

Dimensions	17.25" W x 3.5" H x 10.84" D (438 mm x 89 mm x 276 mm)
Weight	18 lbs. (8.2 kg)
Material	Cold-rolled steel
Finish	White, powder coat
Mounting	19"/23", EIA/WECO

Environmental

Temperature	-5° to 53° C
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
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See Telect.com for our complete line of power distribution panels, systems and accessories.

Ordering Information

Description

High-current demarcation panel:
125A 8-position panel with alarms

Part Number

125DM08

Circuit Breakers

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



Above: Panel shown with circuit breaker.

Right: panel with high-current fuse.

