

125A Demarcation Circuit Breaker/Fuse Panel

High-Current 6-position; Breakers or TPS/TLS Fuses and 5/5 GMT; 2RU in Height

Overview

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

For use at the equipment interface, the 125DM08-GMT panel features built-in flexibility to meet your requirements. Each of six independent positions handles TFD fuse holders or bullet-style standard-trip breakers. In addition, GMT outputs up to 20A per position in the dual-circuit 5/5 configuration provides additional flexibility. A replaceable alarm card contains power and alarm LEDs.

Applications

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

Primary Benefits :: 10pt Helvetica bold 425

- High-current capabilities - six 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
- Integrated low current functionality - 20A GMT fuses
- 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



125DM08-GMT

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Specifications

Electrical	
Voltage	Nominal: $\pm 24/-48$ VDC; Range: ± 20 to ± 28 VDC; -40 to -60 VDC
Input rating	125A per position; 70A per feed (GMT)
Max. input interrupt device	150A per position; 90A per feed (GMT)
Max. cont. output load rating	100A per position; 56A per feed (GMT)
Power dissipation (full load)	17W per I/O; 10W per feed
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	19 lbs (8.6 kg)
Material	Cold-rolled steel
Finish	White, powder coat
Mounting	19"/23", EIA/WECO
Environmental	
Operating temperature	-5° to 50° C (23° to 122° F)
Humidity	0 to 90%, non-condensing
Connections	
Terminal stud sizes Input and demarcation ports	1/4"-20 dual studs on 5/8" centers 1/4"-20 dual PEMS on 5/8" centers (side ground)
GMT outputs	#6-32 panhead screws (max. lug width of 0.29in.)
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 6-position panel with GMT		125DM08-GMT	
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	
GMT Fuses			
Amperage	Part Number	Amperage	Part Number
1A Gray	100991	5A Green	004014
2A Orange	004002	7.5A Black/White	004010
2.5A White/Orange	130783	10A Red/White	004015
3A Blue	004012	12A Yellow/Green	102287
3.5A White/Blue	130782	15A Red/Blue	102288
4A White/Brown	004013	20A Green/White	127240RC
Dummy Fuse		132748	

See Telect.com for our complete line of power distribution panels, systems, and accessories.