

125GMT Family - 125A Dual-Feed GMT Fuse Panel

Power :: 10/10 and 15/15 Position GMT Fuse Panels



Overview

The Amphenol Network Solutions 125GMT10 and 125GMT15 fuse panels are 125A dual-feed and provide 10/10 and 15/15 GMT fuse positions. Our 125GMT panels feature $\pm 12/\pm 24/\pm 48V$ operating voltages to serve both legacy and “next-gen” network applications.

Engineered into a standard 1RU footprint that support up to 20A GMT fuses in each position, providing ample capacity for distribution to a broad range of components. The panel is available in standard terminal block outputs or connectorized outputs.



Fig. 1: 125GMT10 front view



Fig. 2: 125GMT15 rear view

This platform provides front access to GMT fuses. Also featured are front LED indicators for power/fuse alarms, monitoring status, and rear connections for form C relay alarms.

Depending on the model, each of the 125A feeds provide power for up to 10 or

15 GMT output positions. Field replaceable GMT fuses are available from 18/100A to 20A. The panel supports universal voltages ($\pm 12VDC$ to $\pm 48VDC$).

Primary Benefits

- Universal voltage ($\pm 12VDC$, $\pm 24VDC$ and $\pm 48VDC$) enables standardization on a single part number for multiple voltages
- Up to 20A fuses for distribution to a variety of network elements
- UL and NEBS compliant to ensure industry-standard safety and functional requirements
- Form C relay contacts provide reliable alarm connections
- Integrated designation card holder for simple circuit identification
- Fail alarm LEDs indicate fuse and power failures
- Clear, flame-retardant polycarbonate cover (94V-0) protects input and output power connections and wiring from damage

- Horizontal feed inputs and a choice of outputs: either staggered terminal blocks that facilitate waterfall cable management, or connectors that speed up installation and allow cables to exit straight back from the panel

Applications

- Wireless
- Central office
- Co-location
- Remote sites
- Secondary distribution

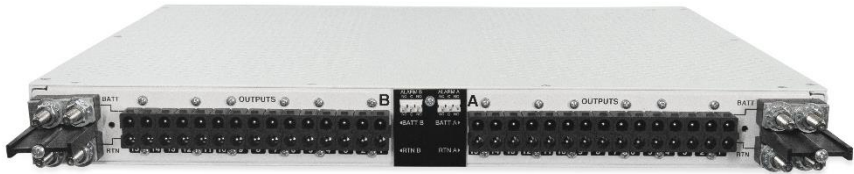


Fig. 3: 125GMT15 C rear view

Specifications

Inputs:	Specifications:
Voltage range (nominal voltage)	±12VDC, ±24VDC and ±48VDC
Max. input load rating	125A @ 65°C per panel 125A @ 55°C per panel (De-rated to 100A @ 65°C)
Short circuit withstand rating	5000A
Nominal power loss at full load	Less than 45W per side @5,000W full load per side (125A x 48V); 125A @ 65°C per panel
Percentage of full power dissipation at nominal voltage	Less than 0.5%
Max. input interrupt device	125% of panel rating (for 125A rated feeds)
Horizontal input terminal studs (with Keps nuts and flat washers) for dual-hole compression lugs	Two pairs of ¼-20 studs on 5/8" centers per terminal [max. lug width of .5" (12.7 mm)]. Torque bolts (using 7/16" or 12 mm socket) to 50 in/lb. (5.5 N•m), max.
Input wire size	#8 AWG to #1/0 AWG
Grounding:	Specifications:
Earth GND terminal bolts (with spring washers and flat washers) for dual-hole compression lug	Three sets of ¼-20 threaded holes on 5/8" centers. [max. lug width of .5" (12.7 mm)]. Torque bolts (using 7/16" or 12 mm socket) to 50 in/lb. (5.5 N•m), max.
Ground wire size	#6 AWG to #1 AWG
Outputs:	Specifications:
Output fuse	20A GMT Fuse
Output load	14A continuous GMT fuse
Minimum short circuit interrupt rating	5000A
Optional: Terminal blocks, single-hole compression lugs	20 or 30, #6-32 screws [max. lug width of .31" (7.9)]. Torque screw to 8 in/lb. (.9 N•m), max.
Optional: Output wire size, single-hole compression lug	#22 AWG to #6 AWG
Optional: Connectors (purchased separately)	20 or 30, P24 connector plugs, latching, safe touch
Optional: Output wire size, connectors	#14 AWG to #10 AWG
GMT fuses	Cooper Bussmann and Littelfuse

Alarms:		Specifications:
Alarm relay contacts		2A @ 30 VDC; 0.6A @ 60 VDC
Max. alarm card power rating		@12V: 18mA (0.22W) @24V: 20mA (0.48W); @48V: 30mA (1.44W)
Alarm wire size		#24 AWG, typical (#26 to #20 AWG)
Terminals		Wire wrap or mates with TE Connectivity 3-640428-3
Dimensions:		Specifications:
125GMT10/125GMT15	Height:	1.75" (44 mm)
	Depth:	13.9" (353 mm)
	Width:	17" (432 mm) without brackets 19" and 23" brackets included with panel
125GMT10-C/125GMT15-C	Height:	1.75" (44 mm)
	Depth:	13.8" (350 mm) without tie bar 16.5" (419 mm) with tie bar
	Width:	17" (432 mm) without brackets 19" and 23" brackets included with panel Tie bar not included with panel Cable-end connectors not included with panel
Compliance:		Specifications:
UL		Listed
NEBS		Level 3

**Authorized
Distributor**

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