

# 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

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

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

- 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

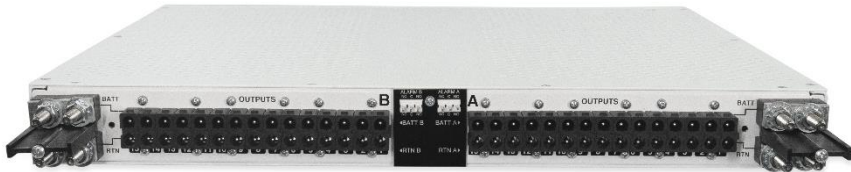


Fig. 3: 125GMT15-C rear view

## Ordering Information

<b>GMT Fuse Panel:</b>	<b>Part Number:</b>
125A Dual-Feed, 10/10 Panel, Horizontal Inputs, Output Terminal Blocks	125GMT10
125A Dual-Feed, 10/10 Panel, Horizontal Inputs, Connectorized Outputs (Connectors purchased separately)	125GMT10-C
125A Dual-Feed, 15/15 Panel, Horizontal Inputs, Output Terminal Blocks	125GMT15
125A Dual-Feed, 15/15 Panel, Horizontal Inputs, Connectorized Outputs (Connectors purchased separately)	125GMT15-C
<b>Accessories (Purchased Separately):</b>	<b>Part Number:</b>
Tie Bar Kit: Connectorized, Rear Mount Tie Bar, Mounting Hardware	307653
<b>Replacement Components:</b>	<b>Part Number:</b>
Replaceable Alarm Card	307608
Dummy GMT fuse	132748
19" Mounting Bracket Kit: 2x 19" Brackets, Mounting Hardware	PMTG19
23" Mounting Bracket Kit: 2x 23" Brackets, Mounting Hardware	PMTG23
<b>Connectors (Purchased Separately):</b>	<b>Part Number:</b>
P24 Connector Kit: GMT, 12-10 AWG, Plug, Retainer, 2x Contacts	150336
P24 Connector Kit: GMT, 14-12 AWG, Plug, Retainer, 2x Contacts	150342
P24 Connector 5 Pack: GMT, 12-10 AWG, Set of 5 Plug Kits	150336-5
P24 Connector 5 Pack: GMT, 14-12 AWG, Set of 5 Plug Kits	150342-5
P24 Replaceable Contact: GMT, 12-10 AWG, Single Contact	150343
P24 Replaceable Contact: GMT, 14-12 AWG, Single Contact	150344
Crimp Tool: 14-6 AWG, Daniels, M300BT	150793
Crimp Tool Locator: Universal, Daniels, UH2-5	150794

GMT Fuses:	Part Number:
18/100A	130781
1/4A	100151
1/2A	004001
3/4A	004008
1A	100991
1-1/3A	004006
1-1/2A	004011
2A	004002
2-1/2A	130783
3A	004012
3-1/2A	130782
4A	004013
5A	004014
7-1/2A	004010
10A	004015
12A	102287
15A	102288
20A	127240
20A with cover	131340

## 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

<b>Outputs:</b>		<b>Specifications:</b>
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
<b>Alarms:</b>		<b>Specifications:</b>
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
<b>Dimensions:</b>		<b>Specifications:</b>
125GMT10/125GMT15	Height: Depth: Width:	1.75" (44 mm) 13.9" (353 mm) 17" (432 mm) without brackets 19" and 23" brackets included with panel
125GMT10-C/125GMT15-C	Height: Depth: Width:	1.75" (44 mm) 13.8" (350 mm) without tie bar 16.5" (419 mm) with tie bar 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
<b>Compliance:</b>		<b>Specifications:</b>
UL		Listed
NEBS		Level 3