

## **Universal Voltage GMT Fuse Panels**

**Power:: Multiple GMT Fuse Panel Configurations and Options** 



#### Overview

Amphenol Network Solutions GMT fuse panels include a comprehensive range of options and standard configurations to fit virtually any low-current power distribution application.

Each panel allows up to 60A or 100A input connections enabling increased power distribution for equipment. Panels support 20A maximum fuse positions to handle a wide range of equipment and universal operating voltage (±24 to



Fig. 1: GMT10 Front View

equipment and universal operating voltage (±24 to -48 VDC) which means they fit any network environment – from traditional central offices to customer premise and wireless applications.

Choose from 10- or 20-position panels. Individual fuses mount adjacent to each other in thermally isolated fuse holders.



Fig. 2: GMT10-BLK Front View

#### **Primary Benefits**

- Universal voltage (±24 to -48 VDC) enables standardization on a single part number for multiple voltages
- Bay alarm as standard feature for either major or minor alarms within equipment rack
- Up to 20A fuses for distribution to a variety of network elements
- GMT fuse holders mounted for downward trip indication to provide easy identification and detection of blown fuses
- Staggered output terminal blocks facilitate "waterfall" cable management



- UL and NEBS compliant to ensure industry-standard safety and functional requirements
- Form C relay contacts provide reliable alarm connections
- Integrated designation pin holder for simple power identification
- Fail alarm LEDs clearly indicate fuse and power failures
- Clear, flame-retardant polycarbonate cover (94V-0) protects input and output power connectors and wiring from damage

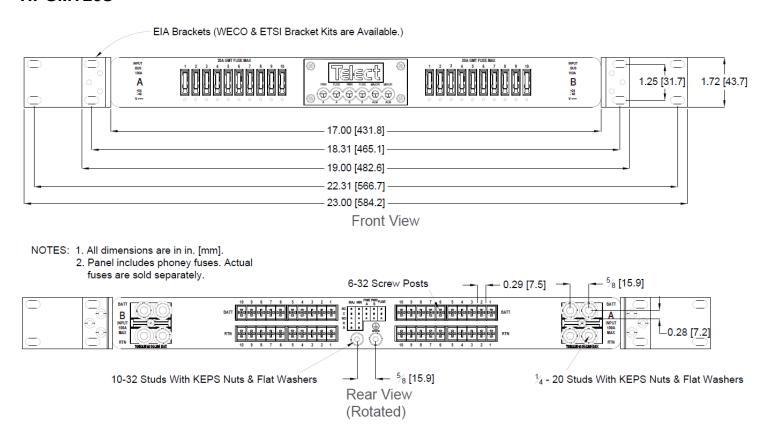
### **Applications**

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



Fig. 3: GMT10 Rear View

# Typical dimensions for GMT10x and HPGMT20S





## **Specifications**

Width	Dimensions		
All except HPGMT20			
HPGMT20	1 1 1 4 1 1 1	17" (431 mm)	
Front access panels: 3.5" (89 mm)			
Depth   12" (305 mm)	Height		
Weight       9 lbs. (4.1 kg)         Material       Cold-rolled steel         Color       All except xxxx-BLK         All except xxxx-BLK (GMT10-BLK       White         Black       Finish         Mounting       Powder coat         Mounting       19" or 23"         HPGMT20       23' only         Electrical       100A per bus         Input rating       100A per bus         HPGMTxx       60A per bus         Maximum input interrupt device       125A for 100A panels         Maximum output protection device       20A         Power dissipation (full load)       Less than 1%         Environmental       Image: Second content of the		Front access panels: 3.5" (89 mm)	
Weight	Depth	12" (305 mm)	
Material  Color All except xxxx-BLK GMT10-BLK & HPGMT10-BLK Finish Powder coat  Mounting All except HPGMT20 HPGMT20 HPGMT20 Blectrical Nominal voltage Input rating HPGMTxx GMTxx HOA per bus GMTxx Hoaximum input interrupt device For 60A panels  Maximum output protection device Power dissipation (full load) Environmental Temperature For 100A panels  Dual stud, 1/4" on 5/8" centers for 100A input panels; screw clamp for 60A input panels  Chassis ground  Dual stud, #10 on 5/8" centers  Alarms Alarm indicators Alarm type Alarm connector Relay contact ratings  Vhite White Black Hohite Black Bl	Mechanical		
Material  Color All except xxxx-BLK GMT10-BLK & HPGMT10-BLK  Finish Powder coat  Mounting All except HPGMT20 HOA per bus HPGMTX HOA per bus HOA HOA PER HOA HOA HOA HOA HOA HOA HAN HOA HOA HAN HAN HAN HAN HAN HAN HAN HAN HAN HA	Weight	9 lbs. (4.1 kg)	
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Finish Powder coat  Mounting All except HPGMT20 19" or 23" HPGMT20 23' only  Electrical  Nominal voltage ± 24 to -48 VDC  Input rating HPGMTxx 60A per bus Maximum input interrupt device 125A for 100A panels 75A for 60A panels  Maximum output protection device 20A Power dissipation (full load) Less than 1%  Environmental  Temperature -5° to 55°C  Humidity 0 to 90%, non-condensing  Connections  Input terminals Dual stud, 1/4" on 5/8" centers for 100A input panels; screw clamp for 60A input panels  Output terminals Screw terminal, #6  Chassis ground Dual stud, #10 on 5/8" centers  Alarms  Alarm indicators Power, fuse alarms  Alarm type Form C  Alarm connector  Relay contact ratings 0.6A at 48 VDC; 1A at 120 VAC	All except xxxx-BLK	White	
Mounting All except HPGMT20 HPGMT20 Electrical Nominal voltage HPGMTxx Input rating HPGMTxx GMTxx Maximum input interrupt device Power dissipation (full load) Environmental Temperature Humidity Connections Input terminals Dual stud, 1/4" on 5/8" centers for 100A input panels; screw clamp for 60A input panels Chassis ground Alarms Alarm type Alarm connector Relay contact ratings  19" or 23" 100A per bus 60A per bus 60A per bus 125A for 100A panels 75A for 60A panels	GMT10-BLK & HPGMT10-BLK	Black	
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Electrical   Nominal voltage			
Nominal voltage		23' only	
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	Alarm connector		
A construction of	Relay contact ratings		
Agency compliance   NEBS 3, UL CUL	Agency compliance	NEBS 3, UL CUL	



### **Ordering Information**

Features	GMT10 & GMT10-BLK	HPGMT10-BLK	HPGMT20	HPGMT20S
60A Max. Input	Х			
100A Max. Input		X	Х	X
20A Max. Fuse Position	X	X	Х	X
Universal VDC	X	X	Х	X
Dual Bus	X	X	Х	
Single Bus				X
Fuse Position per Feed	10	10	20	20
Rack Units	1	1	1	1
Width	19"	19"	23"	19"
Stud Input		X	Х	X
Screw Clamp Input	X			
Bay Alarm	X	X	Х	X

Standard color is white. GMT10-BLK and HPGMT10-BLK are black. Order fuses separately.

Amperage	GMT Fuses	Designation Pins		
18/100A	130781	102435-21 (yellow)		
1/4A	100151	102435-2 (violet)		
1/2A	004001	102435-5 (red)		
3/4A	004008	102435-7 (brown)		
1A	100991	102435-8 (gray)		
1-1/3A	004006	102435-9 (white)		
1-1/2A	004011	102435-10 (white/yellow)		
2A	004002	102435-11 (orange)		
3A	004012	102435-13 (blue)		
3.5A	130782	102435-14 (white/blue)		
4A	004013	102435-15 (white/brown)		
5A	004014	102435-16 (green)		
7-1/2A	004010	102435-17 (black/white)		
10A	004015	102435-18 (red/white)		
12A	102287	102435-19 (yellow/green)		
15A	102288	102435-20 (red/blue)		
20A	127240RC	102435-22 (green/white)		
20A with cover	131340	102435-22 (green/white)		
Additional Items		Part Number		
Dummy fuse		132748		
Fuse safety cover		116915		
Input and Ground Compression Lugs				
#1 AWG, kit of 2		06117-13		
#2 AWG, kit of 2		06117-02		
#4 AWG, kit of 2		06117-04		
#6 AWG, kit of 2		06117-01		
#8 AWG, kit of 2		06117-11		
Output Ring Terminals, #6-32				
#8 AWG, kit of 2		06122-04		
#10-12 AWG, kit of 10		06122-06		
#14-16 AWG, kit of 10		06122-01		
#18-22 AWG, kit of 10		06122-02		