

Universal Voltage GMT Fuse Panels

Power :: GMT/HPGMTxx Fuse Panel Configurations and Options



Overview

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

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



Fig. 1: HPGMT10

Choose from 10-, 15-, or 20-position panels. Individual fuses mount adjacent to each other in thermally isolated fuse holders.

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 the equipment rack
- Up to 20A fuses for distribution to a variety of network elements
- GMT fuse holders mounted for downward trip indication to provide easier 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 indicate fuse and power failures
- Clear, flame-retardant polycarbonate cover (94V-0) protects input and output power connections and wiring from damage



Fig. 2: HPGMT15

Applications

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



Fig. 3: HPGMT10FA



Fig. 4: HPGMT10FA-1RU

Specifications

Dimensions		W x H x D
GMT10 / HPGMT20S		17" x 1.75" x 12"
HPGMT10 / HPGMT15		17" x 1.75" x 11.5"
HPGMT10FA		17" x 3.5" x 11.5"
HPGMT10FA-1RU		21" x 1.75" x 11.5"
HPGMT20		21" x 1.75" x 12"
Mechanical		
Weight		~9 lbs (4.1 kg) HPGMT10FA 10.6 lbs (4.8 kg)
Material		Cold-rolled steel
Color		White
Finish		Powder coat
Mounting		19" or 23" HPGMT10FA-1RU & HPGMT20 23" only
Electrical		
Nominal voltage		±24 to -48 VDC
Input rating		
GMTxx		60A per bus
HPGMTxx		100A per bus
Maximum input interrupt device		125A for 100A panels 75A for 60A panel
Maximum output protection device		20A
Power dissipation (full load)		12W per bus
Connections		
Input terminals		Dual 1/4-20 studs on 5/8" centers. Torque KEPS nut to ~50 in.-lb. (~5.6 N•m), max.; screw clamp for 60A input panel

Output terminals	Screw terminal, #6
Chassis ground	#10-32 studs on 5/8" centers. Torque KEPS nut to ~20 in.-lb. (~2.3 N•m), max.
Alarms	
Alarm indicators	Power, fuse alarms
Alarm type	Form C
Alarm connector	0.045" square pin
Relay contact rating	0.6A to 48 VDC; 1A at 120 VAC
Agency compliance	UL, NEBS 3
Environmental	
Temperature	-5° to 55°C at 100A continuous -5° to 65°C at 80A continuous
Humidity	0 to 90%, non-condensing

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Ordering Information

Part Number	Description	
GMT10	60A dual-feed 10/10 20A GMT, 1RU, 19"/23"	
HPGMT10	100A dual-feed 10/10 20A GMT, 1RU, 19"/23"	
HPGMT15	100A dual-feed 15/15 20A GMT, 1RU, 19"/23"	
HPGMT20	100A dual-feed 20/20 20A GMT, 1RU, 23" only	
HPGMT10FA	100A dual-feed 10/10 20A GMT, 2RU, 19"/23", total front access	
HPGMT10FA-1RU	100A dual-feed 10/10 20A GMT, 1RU, 23" only, total front access	
HPGMT20S	100A single-feed 20 position 20A GMT, 1RU, 19"/23"	
Accessories		
GMT Fuse	Part Number	Designation Pin
18/100A	130781	102435-21 (yellow)
1/4A	100151	102435-2 (violet)
1/2A	004008	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)
3-1/1A	130782	102435-14 (white/blue)
4A	004013	102435-15 (white/brown)
5A	004014	102435-16 (green)
7-1/2A	004010	103435-17 (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)
Fuse safety cover	116915	
Dummy fuse	132748	
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	