

Universal Voltage GMT Fuse Panel

HPGMT10FA

Overview

The HPGMT10FA panel allows up to 100A input connections enabling increased power distribution for equipment. The panel supports 20A maximum fuse positions to handle a wide range of equipment. A universal operating voltage (± 24 to -48 VDC) means it fits any network environment – from traditional central offices to customer premises and wireless applications.



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

Applications

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



Fig. 1: HPGMT10FA

Specifications

Dimensions		W x H x D
HPGMT10FA		17" x 3.5" x 11.5"
Mechanical		
Weight	10.6 lbs (4.8 kg)	
Material	Cold-rolled steel	
Color	White	
Finish	Powder coat	
Mounting	19" or 23"	
Electrical		
Nominal voltage	±24 to -48 VDC	
Input rating	100A per bus	
Maximum input interrupt device	125A	
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.	
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	

Ordering Information

Part Number	Description
HPGMT10FA	100A dual-feed 10/10 20A GMT, 2RU, 19"/23", total front access
Accessories	
GMT Fuse	Part Number
180mA	130781
1/4A	100151
1/2A	004008
3/4A	004008
1A	100991
1-1/3A	004006
1-1/2A	004011
2A	004002
3A	004012
3-1/1A	130782
4A	004013
5A	004014
7-1/2A	004010
10A	004015
12A	102287
15A	102288
20A	127240RC
20A with cover	131340
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