

GMT Fuse Panels, Max. 20A Fuses

Power:: Dual-Feed 100A Input; Bay Alarm, Noise Filter, Fail Safe Options

Overview

High-power GMT 20A series fuse panels operate with multiple 20A fuses that can be mounted adjacent to each other in thermally isolated fuse holders, providing distribution and overload protection for 10 or 20 circuits. Panels can distribute a maximum current of 100A per bus (200A total). Fail safe panels can distribute a maximum of 150A total in fail safe mode; a maximum of 75A per bus is recommended. Noise filter panels can distribute a maximum of 75A per bus; current levels above 100A may damage the filter circuitry.

Applications

- Central office
- Remote sites
- Secondary/traditional power distribution

Additional GMT fuse panel configurations are available, all of which feature Amphenol's industry-leading reliability.

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Primary Benefits

- Dual bus (A and B) with 10 fuses per bus
- Dual stud (1/4" x 5/8" centers) input terminals
- Form C contacts provide reliable fail alarm connections
- Designation pin holder integrated into the panel (one pin holder per fuse)
- Fail alarm LEDs provide clear indication of blown fuse and power failures
- Alarm cards and individual fuses can be replaced with the power on
- Clear polycarbonate cover (94V-0) protects input and output power connectors and wiring
- Auxiliary major/minor bay alarms provide warning for either major or minor alarms within the equipment rack
- Power line noise filter provides circuit protection by suppressing unwanted power line noise from external sources
- 20HPGMT05FSR has internal common returns to support fail-safe functionality as plug-and-play operation
- UL Listed or Recognized, cUL, NEBS 3



20HPGMT05FSR
Front view



20HPGMT05FSR
Rear view

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Ordering Information

Part Number	Description	
20HPGMT05R	Dual-feed 10/10 panel	
20HPGMT05FR	Dual-feed 10/10 panel, fail safe	
20HPGMT05FSR	Dual-feed 10/10 panel, fail safe, common returns	
20HPGMT05BNR	Dual 10/10, bay alarms, noise filter	
20HPGMT12R-75	Dual-feed 10/10, total front access	
20HPGMT03R	Dual-feed 15/15 panel	
Panels ship with "dummy" fuses. 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)
3-1/2A	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 + cover	131340	102435-22 (green/white)
Additional Items		
06113-03	Fuse puller	
132748	Dummy fuse	
116915	Fuse safety cover	

Specifications

Electrical	
Nominal voltage	-48 VDC
Input rating	100A per bus (75A per bus for 20HPGMT05FR, 20HPGMT05FSR, 20HPGMT05BNR)
Max. input interrupt device	125A, 95A for 20HPGMT05BNR
Max. output protection device	20A
Power dissipation (full load)	12W per bus
Mechanical	
Dimensions	17"W x 1.75"H x 12"D (432 mm x 45 mm x 305 mm) 20HPGMT12R-75 is 3.5" (89 mm) H
Weight	9 lbs. (4.08 kg)
Color	Gray
Finish	Powder coat
Mounting	19" or 23"
Environmental	
Temperature range	-5° to 55° C
Humidity	5 to 85%, non-condensing
Connections	
Input terminals	Dual stud, 1/4" on 5/8" centers
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	0.045" square pin
Relay contact ratings	0.6A at 48 VDC; 1A at 120 VAC
Compliance	
Agency compliance	UL and cUL Recognized, NEBS 3 20HPGMT05R UL Listed

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