

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. In fail safe mode: a maximum load of 75A per bus is recommended to allow sharing when supplied by a single 150A feed during fail safe mode. 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 Telect'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

Description	Part Number
Dual-feed 10/10 panel	20HPGMT05R
Dual-feed 10/10 panel, fail safe	20HPGMT05FR
Dual-feed 10/10 panel, fail safe, common returns	20HPGMT05FSR
Dual 10/10, bay alarms, noise filter	20HPGMT05BNR
Dual-feed 10/10, total front access	20HPGMT12R-75
Dual-feed 15/15 panel	20HPGMT03R

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	
Fuse puller	06113-03
Dummy fuse	132748
Fuse safety cover	116915

Specifications

Electrical	
Nominal voltage	-48 VDC
Input rating	100A per bus (75A per bus for 20HPGMT05FR, 20HPGMT05FSR, 20HPGMT05BNR: 150A for 20HPGMT05FR operating in load-share mode)
Max. input interrupt device	125A for 20HPGMT03R, 20HPGMT05R, 20HPGMT12R-75, 175A for 20HPGMT05FR/05FSR (when load-sharing at 150A) 95A for 20HPGMT05BNR (noise filter)
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

See more power distribution solutions,
additional product documentation and
more online at Telect.com.