# GMT Fuse Panels, Max 20A Fuses
## Power :: Dual-Feed 100A Input; Bay Alarm, Noise Filter, Fail Safe Options

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## 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.

## 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

## Applications

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



20HPGMT05FSR - Front view



20HPGMT05FSR - Rear view

## 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 |

*Note: Additional GMT fuse panel configurations are available, all of which feature Amphenol Network Solutions' industry-leading reliability.*

*Visit amphenol-ns.com for more details.*