

## Types GHB and HGHB Bolt-On Panelboard Circuit Breakers



Typical GHB

## Standards and Certifications

These breakers meet the requirements of Federal Specification W-C-375b as follows:

- Type GHB, 120 and 240 V:
  - 1 Pole: Class 11a
  - 2, 3 Poles: Classes 10b, 11b, 12b, 14b, 15b
  - UL/CSA
- Type GHB, 277 and 480Y/277 V:
  - 1 Pole: Classes 12c, 13a
  - 2, 3 Poles: Class 13b
  - Type HGHB 277 V
  - Type GHQ 277 V

## Product Selection

Table 12-124. Type GHB Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units <sup>①</sup>

| Continuous<br>Ampere Rating<br>at 40°C | 277/480 Vac Maximum,<br>125 Vdc Maximum <sup>②</sup> |                  | 277/480 Vac Maximum,<br>125/250 Vdc Maximum |                  | 277/480 Vac Maximum,<br>125/250 Vdc Maximum <sup>③</sup> |                  |
|----------------------------------------|------------------------------------------------------|------------------|---------------------------------------------|------------------|----------------------------------------------------------|------------------|
|                                        | 1-Pole                                               |                  | 2-Pole                                      |                  | 3-Pole                                                   |                  |
|                                        | Catalog<br>Number                                    | Price<br>U.S. \$ | Catalog<br>Number                           | Price<br>U.S. \$ | Catalog<br>Number                                        | Price<br>U.S. \$ |
| 15                                     | GHB1015 <sup>④⑤</sup>                                |                  | GHB2015 <sup>④</sup>                        |                  | GHB3015 <sup>④</sup>                                     |                  |
| 20                                     | GHB1020 <sup>④⑤</sup>                                |                  | GHB2020 <sup>④</sup>                        |                  | GHB3020 <sup>④</sup>                                     |                  |
| 25                                     | GHB1025                                              |                  | GHB2025                                     |                  | GHB3025                                                  |                  |
| 30                                     | GHB1030                                              |                  | GHB2030                                     |                  | GHB3030                                                  |                  |
| 35                                     | GHB1035                                              |                  | GHB2035                                     |                  | GHB3035                                                  |                  |
| 40                                     | GHB1040                                              |                  | GHB2040                                     |                  | GHB3040                                                  |                  |
| 45                                     | GHB1045                                              |                  | GHB2045                                     |                  | GHB3045                                                  |                  |
| 50                                     | GHB1050                                              |                  | GHB2050                                     |                  | GHB3050                                                  |                  |
| 60                                     | GHB1060                                              |                  | GHB2060                                     |                  | GHB3060                                                  |                  |
| 70                                     | GHB1070                                              |                  | GHB2070                                     |                  | GHB3070                                                  |                  |
| 80                                     | GHB1080                                              |                  | GHB2080                                     |                  | GHB3080                                                  |                  |
| 90                                     | GHB1090                                              |                  | GHB2090                                     |                  | GHB3090                                                  |                  |
| 100                                    | GHB1100                                              |                  | GHB2100                                     |                  | GHB3100                                                  |                  |

<sup>①</sup> 480Y/277 V, circuit breakers (Type GHB) not suitable for 3-phase Delta (480 V).

<sup>②</sup> 15 through 70 ampere circuit breakers only.

<sup>③</sup> Use (2) outside poles.

<sup>④</sup> Uses .190 (4.83) -32 screw type clamp terminals.

<sup>⑤</sup> Add suffix HID for High Intensity Discharge (HID) applications. 15 and 20 ampere, 1-pole are SWD rated.

Table 12-125. Type HGHB Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units

| Continuous<br>Ampere Rating<br>at 40°C | 277 Vac Maximum, 125 Vdc Maximum |                  |
|----------------------------------------|----------------------------------|------------------|
|                                        | 1-Pole                           |                  |
|                                        | Catalog<br>Number                | Price<br>U.S. \$ |
| 15                                     | HGHB1015 <sup>⑥</sup>            |                  |
| 20                                     | HGHB1020 <sup>⑥</sup>            |                  |
| 25                                     | HGHB1025                         |                  |
| 30                                     | HGHB1030                         |                  |

<sup>⑥</sup> 15 and 20 ampere, 1-pole are SWD rated.

Table 12-126. Type GHQ Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units

| Continuous<br>Ampere Rating<br>at 40°C | 277 Vac Maximum 14 kAIC, No dc Rating (HID & SWD) |                  |
|----------------------------------------|---------------------------------------------------|------------------|
|                                        | 1-Pole                                            |                  |
|                                        | Catalog<br>Number                                 | Price<br>U.S. \$ |
| 15                                     | GHQ1015 <sup>⑦</sup>                              |                  |
| 20                                     | GHQ1020 <sup>⑦</sup>                              |                  |

<sup>⑦</sup> Includes 4A33462H01 load clip.