

TeSys™ GV Family

The TeSys GV family of products are 3-pole, horsepower rated, UL 508 listed manual starters. They include a manual disconnect, class 10 ambient-compensated thermal overload relay, and instantaneous, magnetic trip mechanism in one compact unit.

Any GV manual starter can be used alone for local manual control of a motor with individual full-load currents up to 220 A. The GV products may also be used in group motor installations in accordance with National Electric Code article 430-53. Group motor installations give you greater panel density for smaller size and require fewer parts and less wiring for installation when compared to conventional panel designs.

The GV2P and GV3P products also have an additional UL508 Type E rating as a stand-alone, self-protected manual combination starter. The UL508 Type E rating requires the addition of line side insulating barrier GV2GH7 for the GV2P or a GV3G66 line side insulating barrier and a GVAM11 short circuit signaling contact for the GV3P. The GV2P and GV3P self-protected manual combination starters may also be combined with specific size contactors from the LC1D product family for a UL508 Type F combination starter construction. These products have a UL-listed short circuit current rating from 10–100 kA depending on application size and voltage. Refer to the Motor Control Solutions for the North American Market data bulletin (8536DB0901) for more information.



GV2ME

Table 18.118: GV2, GV3

| Thermal Setting (A) | Maximum Horsepower Ratings | | | | | | | | | Group Motor Applications Max. Fuse or Circuit Breaker | GV2/3M push button Catalog Number | GV2/3P rotary handle Catalog Number |
|---------------------|----------------------------|----------|----------|----------|----------|----------|----------|----------|---|--|--------------------------------------|--|
| | 1 Ø | | | 3 Ø | | | | | | | | |
| | 120 V hp | 208 V hp | 240 V hp | 120 V hp | 208 V hp | 240 V hp | 480 V hp | 600 V hp | | | | |
| 0.10–0.16 | — | — | — | — | — | — | — | — | — | 450 A | GV2ME01 [30] | GV2P01 |
| 0.16–0.25 | — | — | — | — | — | — | — | — | — | 450 A | GV2ME02 [30] | GV2P02 |
| 0.25–0.40 | — | — | — | — | — | — | — | — | — | 450 A | GV2ME03 [30] | GV2P03 |
| 0.40–0.63 | — | — | — | — | — | — | — | — | — | 450 A | GV2ME04 [30] | GV2P04 |
| 0.63–1 | — | — | — | — | — | — | — | 1/2 | — | 450 A | GV2ME05 [30] | GV2P05 |
| 1–1.6 | — | — | 1/10 | — | — | — | 3/4 | 3/4 | — | 450 A | GV2ME06 [30] | GV2P06 |
| 1.6–2.5 | — | 1/6 | 1/6 | — | 1/2 | 1/2 | 1 | 1.5 | — | 450 A | GV2ME07 [30] | GV2P07 |
| 2.5–4 | 1/8 | 1/4 | 1/3 | — | 3/4 | 3/4 | 2 | 3 | — | 450 A | GV2ME10 [30] | GV2P10 |
| 4–6.3 | 1/4 | 1/2 | 1/2 | 3/4 | 1 | 1.5 | 3 | 5 | — | 450 A | GV2ME14 [30] | GV2P14 |
| 6–10 | 1/2 | 1 | 1.5 | 1 | 2 | 3 | 5 | 7.5 | — | 450 A | GV2ME16 [30] | GV2P16 |
| 9–14 | 3/4 | 2 | 2 | 2 | 3 | 3 | 10 | 10 | — | 450 A | GV2ME20 [30] | GV2P20 |
| 13–18 | 1 | 2 | 3 | 2 | 5 | 5 | 10 | 15 | — | 450 A | GV2ME21 [30] | GV2P21 |
| 17–23 | 1.5 | 3 | 3 | 3 | 5 | 7.5 | 15 | 20 | — | 450 A | GV2ME22 [30] | GV2P22 |
| 20–25 | 2 | — | — | — | 7.5 | 7.5 | 15 | 20 | — | 450 A | GV2ME32 | GV2P32 |
| 24–32 | 2 | 5 | 5 | 5 | 7.5 | 10 | 20 | 25 | — | — | — | GV3P13 |
| 9–13 | 1/2 | — | 1.5 | — | 3 | 3 | 7.5 | 10 | — | — | — | GV3P18 |
| 12–18 | 3/4 | — | 2 | — | 3 | 5 | 7.5 | 10 | — | — | — | GV3P25 |
| 17–25 | 1.5 | — | 3 | — | 5 | 7.5 | 15 | 20 | — | — | — | GV3P32 |
| 23–32 | 2 | — | 3 | — | 7.5 | 7.5 | 20 | 25 | — | — | — | GV3P40 |
| 30–40 | 3 | — | 5 | — | 10 | 10 | 25 | 30 | — | — | — | GV3P50 |
| 37–50 | 3 | — | 7.5 | — | 10 | 10 | 30 | 40 | — | — | — | GV3P65 |
| 48–65 | 3 | — | 10 | — | 15 | 15 | 40 | 50 | — | — | — | — |



GV2P



GV3P

Table 18.119: GV7

| Thermal Setting (A) | Maximum Horsepower Ratings | | | | | | Toggle Operator | |
|---------------------|----------------------------|----------|----------|----------|----------|----------|-----------------------------------|-------------------------------|
| | 1 Ø | | 3 Ø | | | | Standard Interrupt Catalog No. | High Interrupt Catalog No. |
| | 115 V hp | 230 V hp | 200 V hp | 230 V hp | 460 V hp | 575 V hp | | |
| 12–20 | — | — | — | 5 | 10 | 15 | GV7RE20 | GV7RS20 |
| 15–25 | — | — | — | 7.5 | 15 | 20 | GV7RE25 | GV7RS25 |
| 25–40 | — | — | — | 10 | 30 | 30 | GV7RE40 | GV7RS40 |
| 30–50 | — | — | — | 15 | 30 | 40 | GV7RE50 | GV7RS50 |
| 48–80 | — | — | — | 30 | 60 | 75 | GV7RE80 | GV7RS80 |
| 60–100 | — | — | — | 30 | 75 | 100 | GV7RE100 | GV7RS100 |
| 90–150 | — | — | — | 50 | 100 | 150 | GV7RE150 | GV7RS150 |
| 132–220 | — | — | — | 75 | 150 | 200 | GV7RE220 | GV7RS220 |



GV7RE20

Accessories: TeSys™ GV2, GV3, GV7 Manual Starters and Protectors, page 18-37
Dimensions: TeSys Manual Starters and Protectors, page 18-66 and TeSys GV7 Manual Starters and Protectors, page 18-69

[30] For spring terminals add 3 to the catalog number (for example, GV2ME013). GV2ME32 is not available with spring terminals. For ring terminals, add 6.