

TeSys™ Power Motor Circuit Breakers

The TeSys™ Power Motor Circuit Breakers family of products provide efficient motor control and protection solutions up to 520 amps. There are a variety of UL approved applications that enable specified configurations for use as a manual starter, motor disconnect, independent branch short-circuit protection, motor overload protection, or for use with a motor controller such as a contactor to build a complete motor control circuit. Certain configurations are approved for group motor applications as well. Refer to the following selection tables for application information, as well as the Motor Control Solutions for the North American Market data bulletin ([8536DB0901](#)) for additional information.

The GV2P (up to 32 amps) and GV3P (up to 65 amps) is rated to UL 60947-4-1 as a motor starter, and also possess Type E ratings for manual switching applications. These devices can be combined with a specified TeSys Deca contactor as a Type F combination motor controller (with specified line side spacer/accessories), with SCCR up to 100kA.

The GV2ME (up to 32 amps) combined with a specified TeSys Deca contactor is ideal for group motor applications.

The TeSys island load management starters are approved for use with TeSys GV2P and GV3P devices as a group motor arrangement. See selection table for application specifics.

The GV4PB, GV5PB, and GV6PB are motor protective circuit breakers rated to UL 489, are approved as branch circuit protection (no line side spacer required) and include motor overload protection. A full motor branch circuit is completed with the addition of a contactor, providing a compact two-component solution up to 520 motor full load amps. Pre-trip alarm accessories can be applied to these units to help anticipate and resolve issues, minimizing operator or maintenance interaction.



GV2P



GV4PB

Table 18.88: GV2, GV3 Manual Motor Protectors (UL 60947-4-1)

	Thermal Setting (A)	Maximum Horsepower Ratings								GV2ME push button ^[19]	GV2/3P rotary handle
		Single-Phase			Three-Phase						
		115 V	200 V	230 V	115 V	200 V	230 V	460 V	575 V		
 GV2P  GV2ME	0.10–0.16	—	—	—	—	—	—	—	—	GV2ME01	GV2P01
	0.16–0.25	—	—	—	—	—	—	—	—	GV2ME02	GV2P02
	0.25–0.40	—	—	—	—	—	—	—	—	GV2ME03	GV2P03
	0.40–0.63	—	—	—	—	—	—	—	—	GV2ME04	GV2P04
	0.63–1	—	—	—	—	—	—	—	1/2	GV2ME05	GV2P05
	1–1.6	—	—	1/10	—	—	—	3/4	3/4	GV2ME06	GV2P06
	1.6–2.5	—	1/6	1/6	—	1/2	1/2	1	1.5	GV2ME07	GV2P07
	2.5–4	1/8	1/4	1/3	—	3/4	3/4	2	3	GV2ME08	GV2P08
	4–6.3	1/4	1/2	1/2	3/4	1	1.5	3	5	GV2ME10	GV2P10
	6–10	1/2	1	1.5	1	2	3	5	7.5	GV2ME14	GV2P14
	9–14	3/4	2	2	2	3	3	10	10	GV2ME16	GV2P16
	13–18	1	2	3	2	5	5	10	15	GV2ME20	GV2P20
	17–23	1.5	3	3	3	5	7.5	15	20	GV2ME21	GV2P21
	20–25	2	—	—	—	7.5	7.5	15	20	GV2ME22	GV2P22
	24–32	2	5	5	5	7.5	10	20	25	GV2ME32	GV2P32
	9–13	1/2	—	1.5	—	3	3	7.5	10	—	GV3P13
	12–18	3/4	—	2	—	3	5	7.5	10	—	GV3P18
	17–25	1.5	—	3	—	5	7.5	15	20	—	GV3P25
	23–32	2	—	3	—	7.5	7.5	20	25	—	GV3P32
	30–40	3	—	5	—	10	10	25	30	—	GV3P40
	37–50	3	—	7.5	—	10	10	30	40	—	GV3P50
	48–65	3	—	10	—	15	15	40	50	—	GV3P65

^[19] For spring terminals add 3 to the catalog number (for example, GV2ME013). GV2ME013 is not available with spring terminals. For ring terminals, add 6.