

TeSys protection components

Thermal-magnetic motor circuit-breakers GV2 P, GV3 P and GV3 ME80



GV2 P10



GV3 P65



GV3 P651

Motor circuit-breakers from 0.06 to 30 kW / 400 V

Standard power ratings of 3-phase motors
50/60 Hz in category AC-3

400/415 V			500 V			690 V			Setting range of thermal trips (2)	Magnetic tripping current Id ± 20 %	Reference	Weight
P	Icu	Ics (1)	P	Icu	Ics (1)	P	Icu	Ics (1)				
kW	kA	%	kW	kA	%	kW	kA	%	A	A	kg	
GV2 P: control by rotary knob												
Screw clamp terminals												
–	–	–	–	–	–	–	–	–	0.1...0.16	1.5	GV2 P01	0.350
0.06 *	*	*	–	–	–	–	–	–	0.16...0.25	2.4	GV2 P02	0.350
0.09 *	*	*	–	–	–	–	–	–	0.25...0.40	5	GV2 P03	0.350
0.12 *	*	*	–	–	–	0.37 *	*	*	0.40...0.63	8	GV2 P04	0.350
0.18 *	*	*	–	–	–	–	–	–	–	–	–	–
0.25 *	*	*	–	–	–	0.55 *	*	*	0.63...1	13	GV2 P05	0.350
0.37 *	*	*	0.37 *	*	*	–	–	–	1...1.6	22.5	GV2 P06	0.350
0.55 *	*	*	0.55 *	*	*	0.75 *	*	*	–	–	–	–
0.75 *	*	*	1.1 *	*	*	1.5	8	100	1.6...2.5	33.5	GV2 P07	0.350
1.1 *	*	*	1.5 *	*	*	2.2	8	100	2.5...4	51	GV2 P08	0.350
2.2 *	*	*	3 *	*	*	4	6	100	4...6.3	78	GV2 P10	0.350
3 *	*	*	5	50	100	5.5	6	100	6...10	138	GV2 P14	0.350
5.5 *	*	*	7.5	42	75	9	6	100	9...14	170	GV2 P16	0.350
–	–	–	–	–	–	11	6	100	–	–	–	–
7.5	50	50	9	10	75	15	4	100	13...18	223	GV2 P20	0.350
9	50	50	11	10	75	18.5	4	100	17...23	327	GV2 P21	0.350
11	50	50	15	10	75	–	–	–	20...25	327	GV2 P22	0.350
15	35	50	18.5	10	75	22	4	100	24...32	416	GV2 P32	0.350

GV3 P: control by rotary knob

Connection by EverLink® BTR screw connectors (3)

5.5	100	100	7.5	12	50	11	6	50	9...13	182	GV3 P13	0.960
7.5	100	100	9	12	50	15	6	50	12...18	252	GV3 P18	0.960
11	100	100	15	12	50	18.5	6	50	17...25	350	GV3 P25	0.960
15	100	100	18.5	12	50	22	6	50	23...32	448	GV3 P32	0.960
18.5	50	100	22	12	50	37	6	50	30...40	560	GV3 P40	0.960
22	50	100	30	12	50	45	6	50	37...50	700	GV3 P50	0.960
30	50	100	45	12	50	55	6	50	48...65	910	GV3 P65	0.960

Connection by EverLink® BTR screw connectors, for assembly with a contactor

To assemble a **GV3 P13** to **P65** circuit-breaker with an **LC1 D40A** to **D65A** contactor, it is possible to use the circuit-breaker supplied without downstream EverLink® power terminal block. To order this product, add the digit **1** to the end of the references selected above. Example: **GV3 P65** becomes **GV3 P651**.

Connection by lugs

To order thermal magnetic circuit-breakers with connection by lugs, add the digit **6** to the end of reference selected above. Example: **GV3 P18** becomes **GV3 P186**.

GV3 ME80: pushbutton control, screw clamp terminals

37	15	50	45	4	100	55	2	100	56...80		GV3 ME80 (4)	0.700
-----------	----	----	-----------	---	-----	-----------	---	-----	---------	--	---------------------	-------

Motor circuit-breakers up to 50 hp / 600 V, UL 508 type E

GV2 (5)

To obtain a **GV2 P** motor circuit-breaker, UL 508 type E, combine:

- a circuit-breaker **GV2 P●●H7** (except 32 A),
- and a "Large Spacing" adapter **GV2 GH7**.

GV3 (6)

To obtain a motor-circuit-breaker **GV3 P**, UL 508 type E, use the following with the circuit-breaker:

- a "Large Spacing" cover **GV3 G66**,
- a short-circuit signalling contact **GV AM11**.

GV3 with connection by lugs (6)

To obtain a motor-circuit-breaker **GV3 P**, UL 508 type E, with connection by lugs, add the digit **6** to the end of reference selected above and use the following with the circuit-breaker:

- two IP 20 covers **LAD 96570**,
- a short-circuit signalling contact **GV AM11**.

(1) As % of Icu.

(2) The thermal trip setting must be within the range marked on the graduated knob.

(3) BTR screws: hexagon socket head. Require use of an insulated Allen key, in compliance with local wiring regulations.

(4) Recommended for use in association with a contactor.

(5) Accessory: see page 3/63.

(6) Accessories: see page 3/57.

* > 100 kA.