

MPCB Rating and Selection Chart

GV2-M (0.10–32 A) and GV3-M (40–63 A) motor protection circuit breakers · 3-phase, IEC 60947-4-1

ZKELE

1. Rating chart — GV2-M current sizes and breaking capacity

Model	Rated current In (A)	Setting range (A)	230–240 V Icu / Ics (kA)	400–415 V Icu / Ics (kA)	440 V Icu / Ics (kA)	500 V Icu / Ics (kA)	690 V Icu / Ics (kA)
GV2M01C	0.16	0.10–0.16	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
GV2M02C	0.25	0.16–0.25	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
GV2M03C	0.4	0.25–0.40	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
GV2M04C	0.63	0.40–0.63	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
GV2M05C	1	0.63–1.00	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
GV2M06C	1.6	1.00–1.60	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
GV2M07C	2.5	1.60–2.50	100 / 100	100 / 100	100 / 100	100 / 100	3 / 2.25
GV2M08C	4	2.50–4.00	100 / 100	100 / 100	100 / 100	100 / 100	3 / 2.25
GV2M10C	6.3	4.00–6.30	100 / 100	100 / 100	50 / 50	50 / 50	3 / 2.25
GV2M14C	10	6.00–10.00	100 / 100	100 / 100	15 / 15	10 / 10	3 / 2.25
GV2M18C	14	9.00–14.00	100 / 100	15 / 7.5	8 / 4	6 / 4.5	3 / 2.25
GV2M20C	18	13.00–18.00	100 / 100	15 / 7.5	8 / 4	6 / 4.5	3 / 2.25
GV2M21C	23	17.00–23.00	50 / 50	15 / 6	6 / 3	4 / 3	3 / 2.25
GV2M22C	25	20.00–25.00	50 / 50	15 / 6	6 / 3	4 / 3	3 / 2.25
GV2M32C	32	24.00–32.00	50 / 50	10 / 5	6 / 3	4 / 3	3 / 2.25

Icu = rated ultimate short-circuit breaking capacity; Ics = rated service short-circuit breaking capacity. Series data: Ui 690 V, Ue 230/240–690 V, Uimp 8 kV, 50/60 Hz, frame rated current Inm 32 A, arc distance 40 mm. Figures quoted from the GV2-M series datasheet — confirm against the current datasheet for your voltage and prospective fault level.

2. Selection chart — which model for your motor (400 V, IEC)

Motor power (kW / HP)	Typical FLA @ 400 V (A)	Setting range (A)	Recommended model	Starting dial setting (A)
0.75 kW (1 HP)	1.4–1.8	1.6–2.5	GV2M07C	1.8–2.0
1.5 kW (2 HP)	2.8–3.4	2.5–4	GV2M08C	3.2–3.8
2.2 kW (3 HP)	4.2–4.8	4–6.3	GV2M10C	4.8–5.5
3.7 kW (5 HP)	7.0–7.6	6.3–10	GV2M14C	8.0–8.7
5.5 kW (7.5 HP)	10.4–11	9–14	GV2M18C	12–12.6
7.5 kW (10 HP)	14.2–14.8	13–18	GV2M20C	16–17
11 kW (15 HP)	20.8–21	20–25	GV2M22C	24
15 kW (20 HP)	27–28.3	24–32	GV2M32C	30–32
22 kW (30 HP)	40–41.6	40–63	GV3-M	45–48

Typical full-load currents for standard 400 V three-phase induction motors. Values vary with motor design, efficiency and power factor — always use the nameplate FLA as the final reference.