

Safety control and protection solutions

Thermal-magnetic motor circuit breakers model GV2 ME



GV2 ME

Thermal-magnetic motor circuit breakers GV2 ME with screw terminals

GV2 ME: pushbutton control

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	
-	-	-	-	-	-	-	-	-	0.1...0.16	1.5	GV2 ME01	0.260
0.06	*	*	-	-	-	-	-	-	0.16...0.25	2.4	GV2 ME02	0.260
0.09	*	*	-	-	-	-	-	-	0.25...0.40	5	GV2 ME03	0.260
0.12	*	*	-	-	-	0.37	*	*	0.40...0.63	8	GV2 ME04	0.260
0.18	*	*	-	-	-	-	-	-	0.40...0.63	8	GV2 ME04	0.260
0.25	*	*	-	-	-	0.55	*	*	0.63...1	13	GV2 ME05	0.260
0.37	*	*	0.37	*	*	-	-	-	1...1.6	22.5	GV2 ME06	0.260
0.55	*	*	0.55	*	*	0.75	*	*	1...1.6	22.5	GV2 ME06	0.260
-	-	-	0.75	*	*	1.1	*	*	1...1.6	22.5	GV2 ME06	0.260
0.75	*	*	1.1	*	*	1.5	3	75	1.6...2.5	33.5	GV2 ME07	0.260
1.1	*	*	1.5	*	*	2.2	3	75	2.5...4	51	GV2 ME08	0.260
1.5	*	*	2.2	*	*	3	3	75	2.5...4	51	GV2 ME08	0.260
2.2	*	*	3	50	100	4	3	75	4...6.3	78	GV2 ME10	0.260
3	*	*	4	10	100	5.5	3	75	6...10	138	GV2 ME14	0.260
4	*	*	5.5	10	100	7.5	3	75	6...10	138	GV2 ME14	0.260
5.5	15	50	7.5	6	75	9	3	75	9...14	170	GV2 ME16	0.260
-	-	-	-	-	-	11	3	75	9...14	170	GV2 ME16	0.260
7.5	15	50	9	6	75	15	3	75	13...18	223	GV2 ME20	0.260
9	15	40	11	4	75	18.5	3	75	17...23	327	GV2 ME21	0.260
11	15	40	15	4	75	-	-	-	20...25	327	GV2 ME22 (3)	0.260
15	10	50	18.5	4	75	22	3	75	24...32	416	GV2 ME32	0.260

Thermal-magnetic motor circuit breakers GV2 ME with built-in auxiliary contact block

With instantaneous auxiliary contact block:

- **GV AE1**, add suffix **AE1TQ** to the motor circuit breaker reference selected above. Example: **GV2 ME01AE1TQ**.
- **GV AE11**, add suffix **AE11TQ** to the motor circuit breaker reference selected above. Example: **GV2 ME01AE11TQ**.
- **GV AN11**, add suffix **AN11TQ** to the motor circuit breaker reference selected above. Example: **GV2 ME01AN11TQ**.

These motor circuit breakers with built-in contact block are sold in lots of 20 parts in a single pack.

(1) As a % of Icu.

(2) To use **GV2 ME** in enclosures, please consult your Regional Sales Office.

(3) For the maximum rating which can be installed in **GV2 MC** or **MP** enclosures, please consult your Regional Sales Office.

* > 100 kA.

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Thermal-magnetic motor circuit breakers model GV2 ME - Accessories

Contact blocks						
Description	Mounting	Max. number	Contact types	Sold in lots of.	Unit reference	Weight kg
Instantaneous auxiliary contacts	Front	1	N/O or N/C (1)	10	GV AE1	0.015
			N/O + N/C	10	GV AE11	0.020
			N/O + N/O	10	GV AE20	0.020
	Side LH	2	N/O + N/C	1	GV AN11	0.050
			N/O + N/O	1	GV AN20	0.050
Fault signalling contact + instantaneous auxiliary contact	Side (2) LH	1	N/O + N/O	1	GV AD1010	0.055
			(fault) + N/C	1	GV AD1001	0.055
			N/C + N/O	1	GV AD0110	0.055
			(fault) + N/C	1	GV AD0101	0.055
Short-circuit signalling contact	Side LH	1	C/O common point	1	GV AM11	0.045

Electric trips				
Undervoltage or shunt trip (3)				
Mounting	Voltage		Reference	Weight kg
Side (1 block on RH side of breaker)	24 V	50 Hz	GV A●025	0.105
		60 Hz	GV A●026	0.105
	48 V	50 Hz	GV A●055	0.105
		60 Hz	GV A●056	0.105
	100 V	50 Hz	GV A●107	0.105
	100...110 V	60 Hz	GV A●107	0.105
	110...115 V	50 Hz	GV A●115	0.105
		60 Hz	GV A●116	0.105
	120...127 V	50 Hz	GV A●125	0.105
	127 V	60 Hz	GV A●115	0.105
	200 V	50 Hz	GV A●207	0.105
	200 V...220 V	60 Hz	GV A●207	0.105
	220 V...240 V	50 Hz	GV A●225	0.105
		60 Hz	GV A●226	0.105
	380 V...400 V	50 Hz	GV A●385	0.105
		60 Hz	GV A●386	0.105
	415 V...440 V	50 Hz	GV A●415	0.105
	415 V	60 Hz	GV A●416	0.105
	440 V	60 Hz	GV A●385	0.105
	480 V	60 Hz	GV A●415	0.105
500 V	50 Hz	GV A●505	0.105	
600 V	60 Hz	GV A●505	0.105	

INRS voltage minimum (only installed on GV2 ME)				
Safety device for dangerous machines conforming to INRS and VDE 0113				
Side (1 block on RH side of breaker GV2 ME)	110...115 V	50 Hz	GV AX115	0.110
		60 Hz	GV AX116	0.110
	127 V	60 Hz	GV AX115	0.110
	220...240 V	50 Hz	GV AX225	0.110
		60 Hz	GV AX226	0.110
	380...400 V	50 Hz	GV AX385	0.110
		60 Hz	GV AX386	0.110
	415...440 V	50 Hz	GV AX415	0.110
440 V	60 Hz	GV AX385	0.110	

(1) Choice of N/C or N/O contact operation depending on which way round the reversible block is mounted.

(2) The **GV AD** is always mounted next to the circuit breaker

(3) To order an undervoltage trip: replace the dot in the reference with a **U**, example: **GV2 AU025**.
To order a shunt trip: replace the dot in the reference with an **S**, example: **GV2 AS025**.