

# Motor circuit-breakers

## Thermal-magnetic motor circuit-breakers type GV2-M

### References



1



GV2-M

### Thermal-magnetic motor circuit-breakers GV2-M

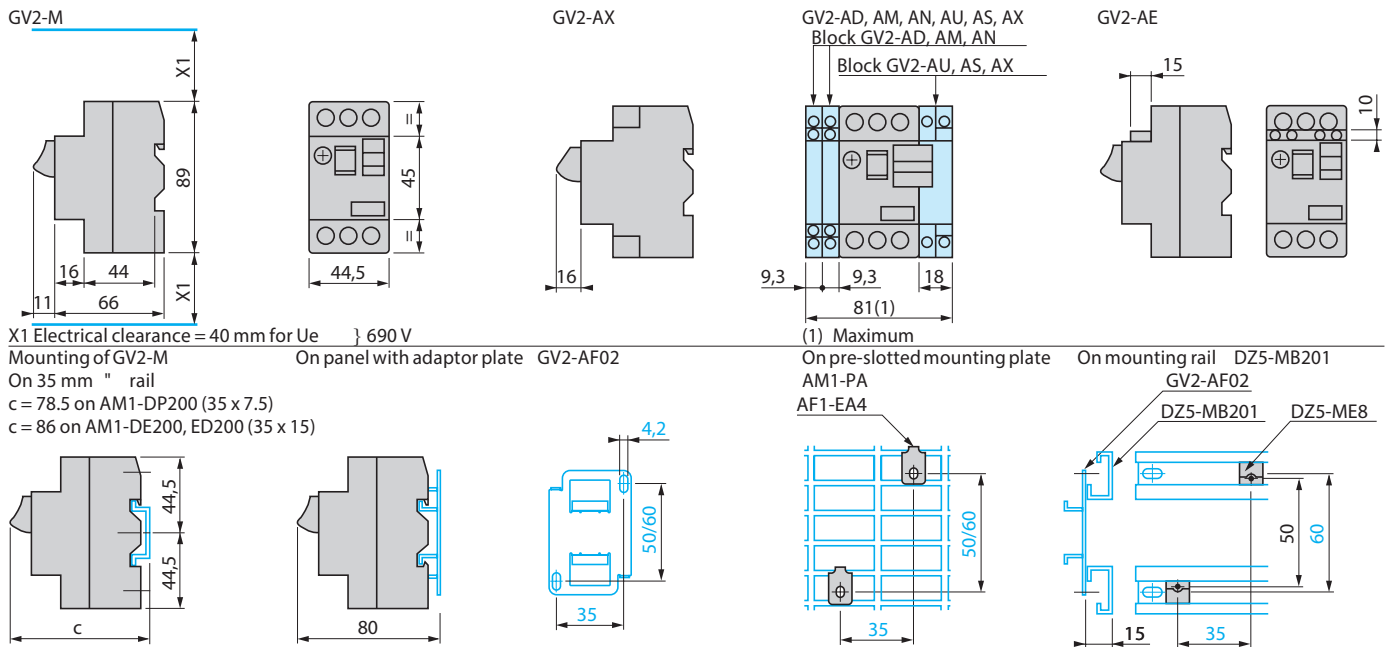
Pushbutton control					Setting range of thermal trips	Magnetic tripping current I <sub>d</sub> o 20 %	Thermal current I <sub>th</sub> in GV2-M iii enclosure	Reference	Weight
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									
230 V	415 V	440 V	500 V	690 V	A	A	A		kg
-	-	-	-	-	0.1...0.16	1.5	0.16	GV2-M01	0.260
-	0.06	0.06	-	-	0.16...0.25	2.4	0.25	GV2-M02	0.260
0.06	0.09	0.09	-	-	0.25...0.40	5	0.40	GV2-M03	0.260
-	0.12	0.18	-	0.37	0.40...0.63	8	0.63	GV2-M04	0.260
0.09	0.25	0.25	0.37	0.55	0.63...1	13	1	GV2-M05	0.260
0.12	0.37	0.37	-	-	-	-	-	-	-
0.18	0.37	0.37	0.37	0.75	1...1.6	22.5	1.6	GV2-M06	0.260
0.25	0.55	0.55	0.55	1.1	-	-	-	-	-
0.37	0.75	0.75	1.1	1.5	1.6...2.5	33.5	2.5	GV2-M07	0.260
0.55	1.1	1.5	1.5	2.2	2.5...4	51	4	GV2-M08	0.260
0.75	1.5	-	2.2	3	-	-	-	-	-
1.1	2.2	2.2	3	4	4...6.3	78	6.3	GV2-M10	0.260
1.5	3	4	4	5.5	6...10	138	9	GV2-M14	0.260
2.2	4	-	5.5	7.5	-	-	-	-	-
2.2	5.5	5.5	7.5	9	9...14	170	13	GV2-M16	0.260
3	-	7.5	-	11	-	-	-	-	-
4	7.5	7.5	9	15	13...18	223	17	GV2-M20	0.260
5.5	9	11	11	18.5	17...23	327	21	GV2-M21	0.260
5.5	11	11	15	22	20...25	327	23	GV2-M22	0.260
7.5	15	15	18.5	22	24...32	416	30	GV2-M32	0.260

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

With instantaneous auxiliary contact block:

- GV2-AE1, add suffix AE1TQ to the motor circuit-breaker reference selected above.  
Example: GV2-M01 becomes GV2-M01AE1TQ
- GV2-AE11, add suffix AE11TQ to the motor circuit-breaker reference selected above.  
Example: GV2-M01 becomes GV2-M01AE11TQ
- GV2-AN11, add suffix AN11TQ to the motor circuit-breaker reference selected above.  
Example: GV2-M01 becomes GV2-M01AN11TQ

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



# Motor circuit-breakers

## Thermal-magnetic motor circuit-breakers type GV2-P

### References



### Thermal-magnetic motor circuit-breakers GV2-P

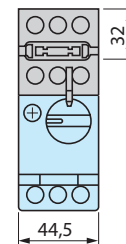
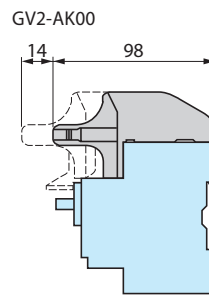
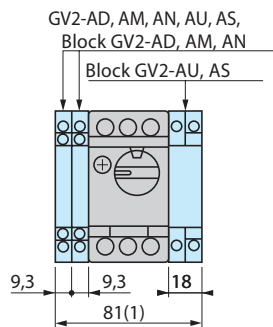
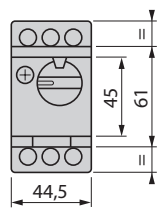
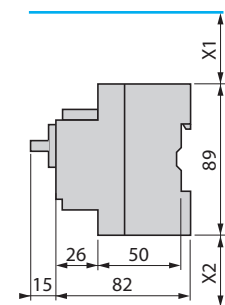
#### Control by rotary handle

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3					Setting range of thermal trips	Magnetic tripping current I <sub>d</sub> ± 20 %	Reference	Weight
220 V	415 V	440 V	500 V	690 V				
kW	kW	kW	kW	kW	A	A		kg
-	-	-	-	-	0.1...0.16	1.5	GV2-P01	0.350
-	0.06	0.06	-	-	0.16...0.25	2.4	GV2-P02	0.350
0.06	0.09	0.09	-	-	0.25...0.40	5	GV2-P03	0.350
-	0.12	0.18	-	0.37	0.40...0.63	8	GV2-P04	0.350
0.09	0.25	0.25	0.37	0.55	0.63...1	13	GV2-P05	0.350
0.12	0.37	0.37	-	-	-	-	-	-
0.18	0.37	0.37	0.37	0.75	1...1.6	22.5	GV2-P06	0.350
0.25	0.55	0.55	0.55	1.1	-	-	-	-
0.37	0.75	0.75	1.1	1.5	1.6...2.5	33.5	GV2-P07	0.350
0.55	1.1	1.5	1.5	2.2	2.5...4	51	GV2-P08	0.350
0.75	1.5	-	2.2	3	-	-	-	-
1.1	2.2	2.2	3	4	4...6.3	78	GV2-P10	0.350
1.5	3	4	4	5.5	6...10	138	GV2-P14	0.350
2.2	4	-	5.5	7.5	-	-	-	-
2.2	5.5	5.5	7.5	9	9...14	170	GV2-P16	0.350
3	-	7.5	-	11	-	-	-	-
4	7.5	7.5	9	15	13...18	223	GV2-P20	0.350
5.5	9	11	11	18.5	17...23	327	GV2-P21	0.350
5.5	11	11	15	22	20...25	327	GV2-P22	0.350



GV2-P

GV2-P

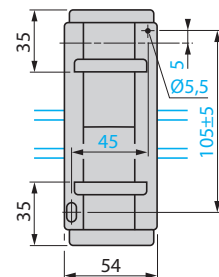
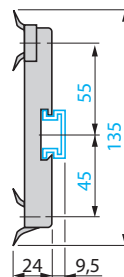
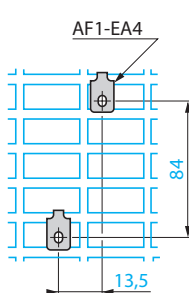
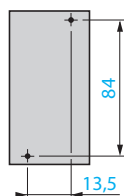
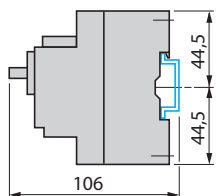


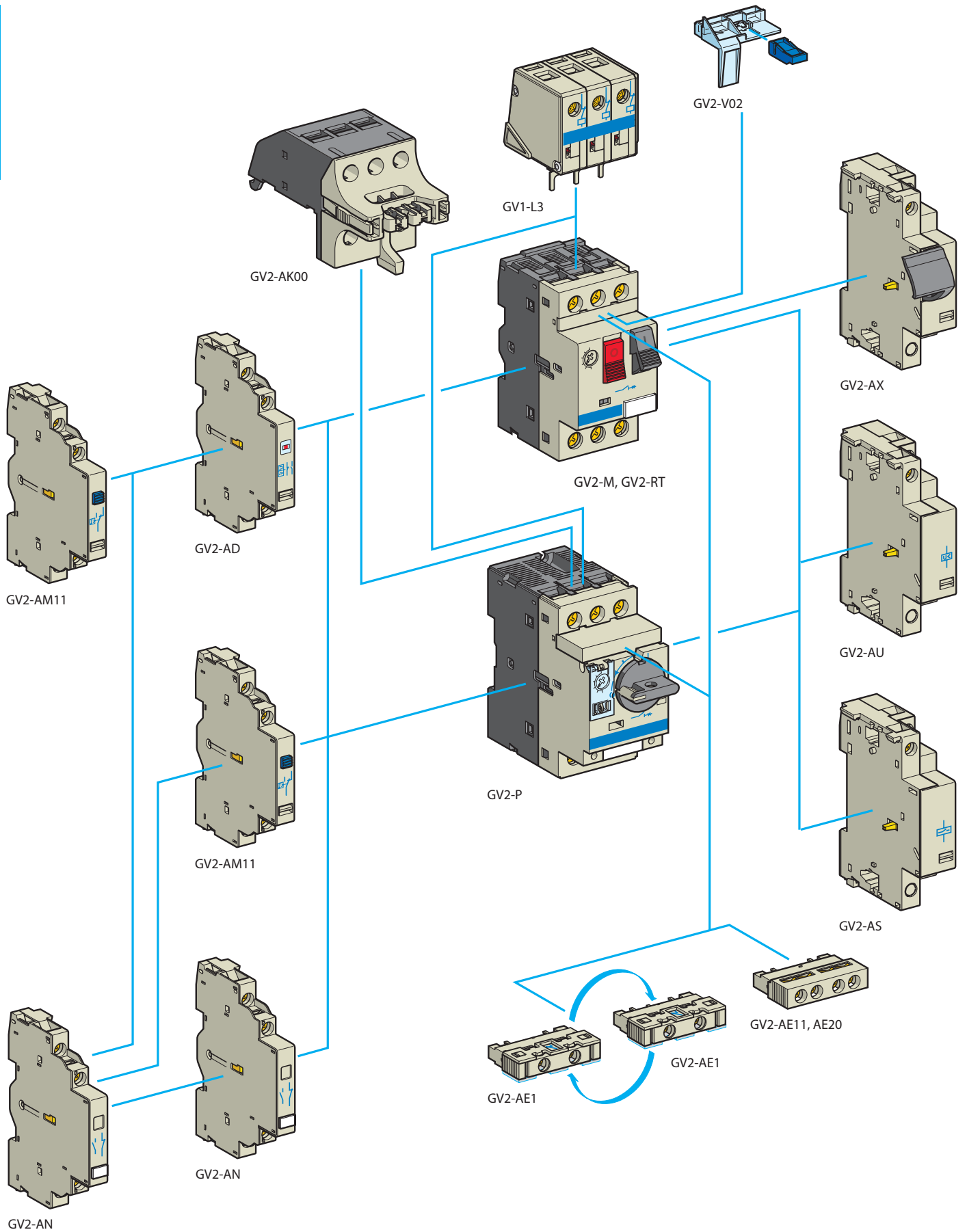
X2 = 40 mm  
 X1 Electrical clearance = 40 mm for U<sub>e</sub> } 415 V, or 80 mm for U<sub>e</sub> = 440 V, or 120 mm for U<sub>e</sub> = 500 and 690 V  
 Mounting of GV2-P  
 On 35 mm " " mounting rail ED200 (35 x 15)

On panel

On pre-slotted mounting plate AM1-PA

Adaptor plate GK2-AF01





# Motor circuit-breakers

Thermal-magnetic motor circuit-breakers types GV2-M, GV2-RT and GV2-P

Accessories

References

Illustrations :  
page 1/86  
Dimensions :  
pages 1/84 and 1/85

## Contact blocks (5)

Description	Mounting	Contact types	Sold in lots of	Unit reference	Weight kg	
Instantaneous auxiliary contacts	Front (1) (1 block per breaker)	N/O or N/C (2)	10	GV2-AE1	0.015	
		N/O + N/C	10	GV2-AE11	0.020	
		N/O + N/O	10	GV2-AE20	0.020	
Side (up to 2 blocks on LH side of breaker)	Side (up to 2 blocks on LH side of breaker)	N/O + N/C	1	GV2-AN11	0.050	
		N/O + N/O	1	GV2-AN20	0.050	
Fault signalling contact + instantaneous auxiliary contact	Side (3) (1 block on LH side of breaker)	Fault	Instantaneous	1	GV2-AD1010	0.055
		N/O + N/O				
		N/C	+ N/O	1	GV2-AD0110	0.055
		N/C				
Short-circuit signalling contact	Side (1 block on LH side of breaker)	C/O common point	1	GV2-AM11	0.045	

## Electric trips

Mounting	Type	Voltage	Reference	Weight kg		
Side (1 block on RH side of breaker)	Undervoltage trip	110...115 V 50 Hz	GV2-AU115	0.105		
		60 Hz	GV2-AU116	0.105		
		220...240 V 50 Hz	GV2-AU225	0.105		
		60 Hz	GV2-AU226	0.105		
		380...400 V 50 Hz	GV2-AU385	0.105		
		60 Hz	GV2-AU386	0.105		
		415...440 V 50 Hz	GV2-AU415	0.105		
		440 V 60 Hz	GV2-AU385	0.105		
		500 V 50 Hz	GV2-AU505	0.105		
		600 V 60 Hz	GV2-AU505	0.105		
		Shunt trip	Shunt trip	110...115 V 50 Hz	GV2-AS115	0.105
				60 Hz	GV2-AS116	0.105
				220...240 V 50 Hz	GV2-AS225	0.105
				60 Hz	GV2-AS226	0.105
380...400 V 50 Hz	GV2-AS385			0.105		
60 Hz	GV2-AS386			0.105		
415...440 V 50 Hz	GV2-AS415			0.105		
440 V 60 Hz	GV2-AS385			0.105		
500 V 50 Hz	GV2-AS505			0.105		
600 V 60 Hz	GV2-AS606			0.105		
Undervoltage trip INRS (4)	Undervoltage trip INRS (4)	110...115 V 50 Hz	GV2-AX115	0.110		
		60 Hz	GV2-AX116	0.110		
		220...240 V 50 Hz	GV2-AX225	0.110		
		60 Hz	GV2-AX226	0.110		
		380...400 V 50 Hz	GV2-AX385	0.110		
		60 Hz	GV2-AX386	0.110		
		415V 50Hz	GV2-AX415	0.110		

## Add-on contact blocks

Description	Mounting	Operation	Sold in lots of	Unit reference	Weight kg
Visible isolation block	Front (1) (1 block per breaker)	3-pole on incoming side of GV2-P motor circuit-breaker	1	GV2-AK00	0.150
100 kA limiter	At top	-	1	GV1-L3	0.130

## Sealing kit

For GV2-M	Front	-	10	GV2-V02	0.010
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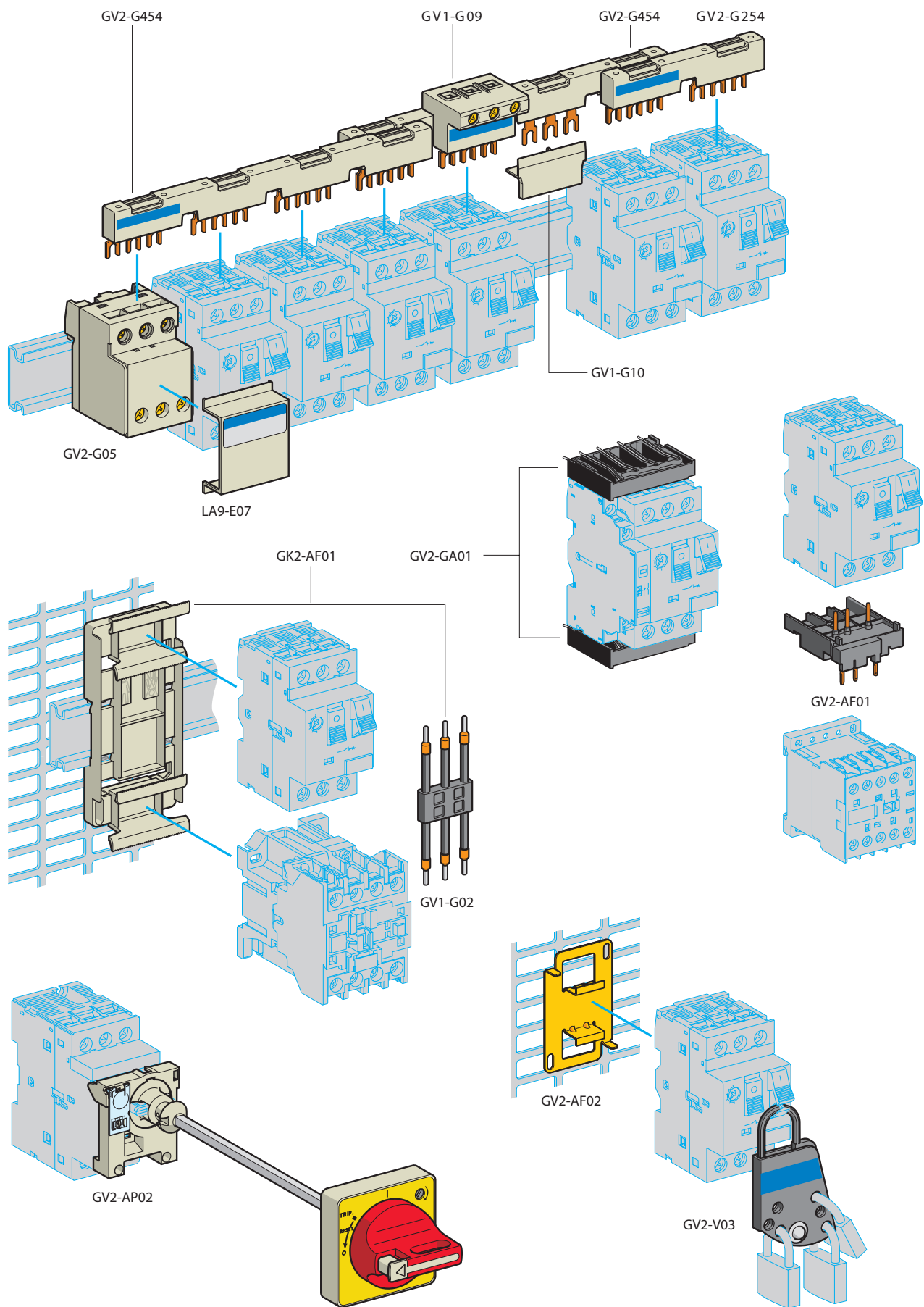
(1) Mounting of a GV2-AE contact block or a GV2-AK00 visible isolation block on GV2-P .

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

(3) The GV2-AD is always mounted next to the circuit-breaker.

(4) Safety device for dangerous machines conforming to INRS and VDE 0113. Can only be mounted on GV2-M .

(5) Maximum of 2 contact blocks on left hand side of breaker.



# Motor circuit-breakers

## Thermal-magnetic motor circuit-breakers types GV2-M and GV2-P Accessories

### References

Illustrations :  
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### Mounting accessories

Description	Application	Sold in lots of	Unit reference	Weight kg
Motor starter adaptor plate	With 3-pole connection for mounting of a GV2 and an LC1-D09 to D25 contactor	1	<a href="#">GK2-AF01</a>	0.120
Adaptor plate	For screw fixing of a GV2-M	10	<a href="#">GV2-AF02</a>	0.021
7.5 mm height compensation plate	To allow GV2-M and GV2-L/P to be mounted on a common busbar	10	<a href="#">GV1-F03</a>	0.003
Combination block	Between GV2-M and LC1-K or LP1-K contactor	10	<a href="#">GV2-AF01</a>	0.020

### Cabling accessories

Description	Application	Pitch mm	Reference	Weight kg
Sets of 3-pole, 63 A busbars	2 tap-offs	45	<a href="#">GV2-G245</a>	0.036
		54	<a href="#">GV1-G254</a>	0.038
		72	<a href="#">GV2-G272</a>	0.042
	3 tap-offs	54	<a href="#">GV2-G354</a>	0.060
		4 tap-offs	45	<a href="#">GV2-G445</a>
	4 tap-offs	54	<a href="#">GV1-G454</a>	0.085
		72	<a href="#">GV2-G472</a>	0.094
		5 tap-offs	54	<a href="#">GV2-G554</a>

Description	Application	Sold in lots of	Unit reference	Weight kg
Protective end cover	For unused busbar outlets	5	<a href="#">GV1-G10</a>	0.005
Terminal blocks for supply to one or more GV1-G0 i or GV2-G0 i busbar sets	Connection from the top	1	<a href="#">GV1-G09</a>	0.040
	Can be fitted with a GV1-L3 current limiter	1	<a href="#">GV2-G05</a>	0.115
Flexible 3-pole connection for connecting a GV2 to an LC1-D09...D25 contactor	Centre distance between mounting rails: 100...120 mm	10	<a href="#">GV1-G02</a>	0.013

### Marking accessories

Description	Application	Sold in lots of	Unit reference	Weight kg
Clip-in marker holders (supplied with each motor circuit-breaker)	For GV2-M (8 x 17 mm)	100	<a href="#">LA9-D90</a>	0.001
	For GV2-P (8 x 22 mm)	100	<a href="#">LA9-D92</a>	0.001

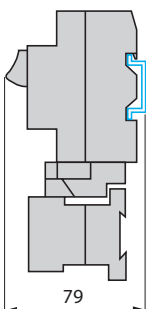
### Padlockable external operator

Description	Reference	Weight kg
For GV2-P (150 to 290 mm)	Black handle, blue legend plate <a href="#">GV2-AP01</a>	0.200
	Red handle, yellow legend plate <a href="#">GV2-AP02</a>	0.200

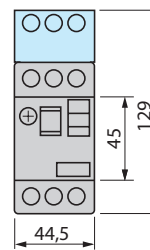
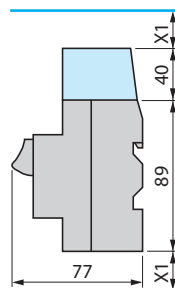
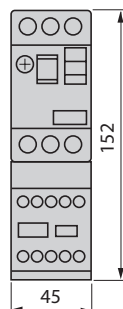
### Padlocking device

For all GV2 devices	6 padlocks, Ø 6 mm shank max. (padlock not supplied)	<a href="#">GV2-V03</a>	0.130
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GV2-AF01  
GV2-M + K contactor combination

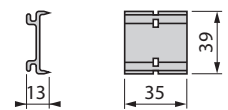


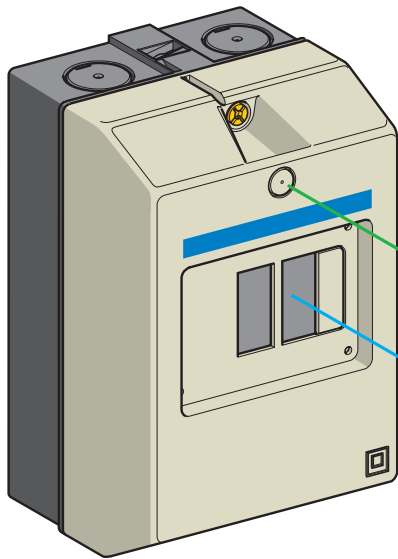
GV2-M + GV1-L3 (current limiter)



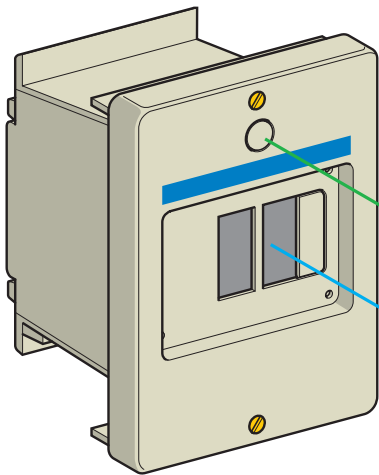
X1 = 10 mm for Ue = 230 V or 30 mm for 230 V < Ue } 690 V

7.5 mm height compensation plate  
GV1-F03

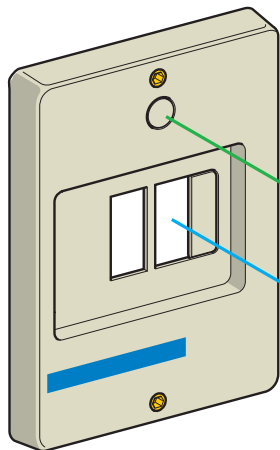




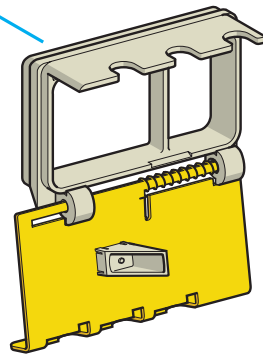
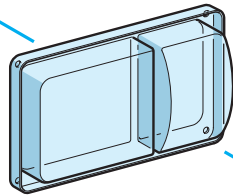
GV2-MC



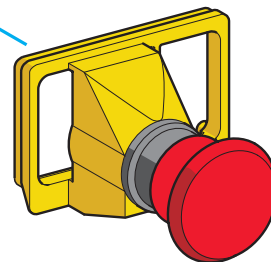
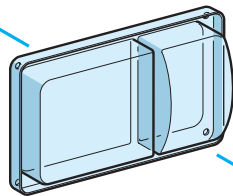
GV2-MP



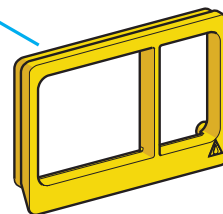
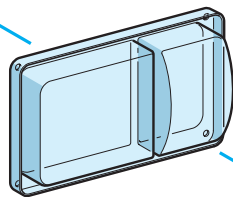
GV2-CP



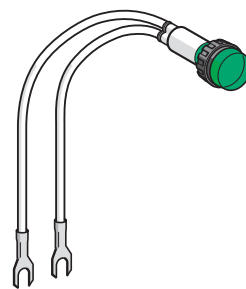
GV2-V01



GV2-K01



GV2-E01



GV2-SN

# Motor circuit-breakers

Thermal-magnetic motor circuit-breakers types GV2-M and GV2-P

## References

Illustrations :  
page 1/90

### Enclosures for thermal-magnetic motor circuit-breakers GV2-M

Application	Type	Degree of protection of enclosure	Reference	Weight kg
For motor circuit-breakers with or without accessories (maximum of 1 accessory on right and left for GV2-MC i and GV2-MP01 or MP02, 1 accessory only on right for GV2-MP03 and GV2-MP04)	Surface mounting, double insulated with protective conductor.	IP 41	<a href="#">GV2-MC01</a>	0.290
		IP 55	<a href="#">GV2-MC02</a>	0.300
		IP 55 for temperature < + 5 πC	<a href="#">GV2-MC03</a>	0.300
	Flush mounting with protective conductor	IP 41 (front face)	<a href="#">GV2-MP01</a>	0.115
		IP 41 (reduced flush mounting)	<a href="#">GV2-MP03</a>	0.115
		IP 55 (front face)	<a href="#">GV2-MP02</a>	0.130
		IP 55 (reduced flush mounting)	<a href="#">GV2-MP04</a>	0.130

### Front plate

Application	Degree of protection	Reference	Weight kg
For direct control, through a panel, of a GV2-M mounted in an enclosure	IP 55	<a href="#">GV2-CP21</a>	0.800

### Accessories common to all enclosures (to be ordered separately)

Description		Sold in lots of	Unit reference	Weight kg	
Padlocking device (1) for GV2-M operator (padlocking is only possible in the "O" position)		1	<a href="#">GV2-V01</a>	0.075	
Mushroom head "stop" pushbutton (1) Ø 40 mm, red	Spring return	1	<a href="#">GV2-K01</a>	0.052	
	Latching	Key release (key n π455)	1	<a href="#">GV2-K02</a>	0.095
		Turn to release	1	<a href="#">GV2-K03</a>	0.052
Sealing kit	For enclosures and front plate	IP 55	10	<a href="#">GV2-E01</a>	0.012
		IP 55 for temperature < + 5 πC	10	<a href="#">GV2-E02</a>	0.012
Neutral link		10	<a href="#">GV2-N01</a>	0.030	
Description	Voltage V	Colour	Sold in lots of	Reference	Weight kg
Neon indicator light	110	Green	10	<a href="#">GV2-SN13</a>	0.019
		Red	10	<a href="#">GV2-SN14</a>	0.019
		Orange	10	<a href="#">GV2-SN15</a>	0.019
		Clear	10	<a href="#">GV2-SN17</a>	0.019
	220/240	Green	10	<a href="#">GV2-SN23</a>	0.019
		Red	10	<a href="#">GV2-SN24</a>	0.019
		Orange	10	<a href="#">GV2-SN25</a>	0.019
		Clear	10	<a href="#">GV2-SN27</a>	0.019
	380/440	Green	10	<a href="#">GV2-SN33</a>	0.019
		Red	10	<a href="#">GV2-SN34</a>	0.019
		Orange	10	<a href="#">GV2-SN35</a>	0.019
		Clear	10	<a href="#">GV2-SN37</a>	0.019

(1) Supplied with IP 55 sealing kit.



# Motor circuit-breakers

Thermal-magnetic motor circuit-breakers types GV2-M and GV2-P

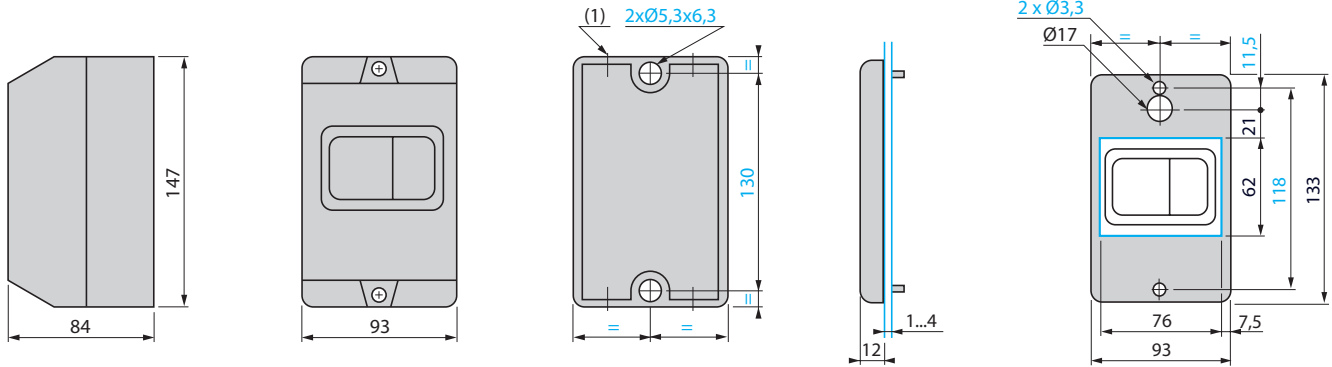
Dimensions, mounting

References :  
pages : 91019/2 to 91019/5

Surface mounting enclosure GV2-MC0

i

Front plate GV2-CP21

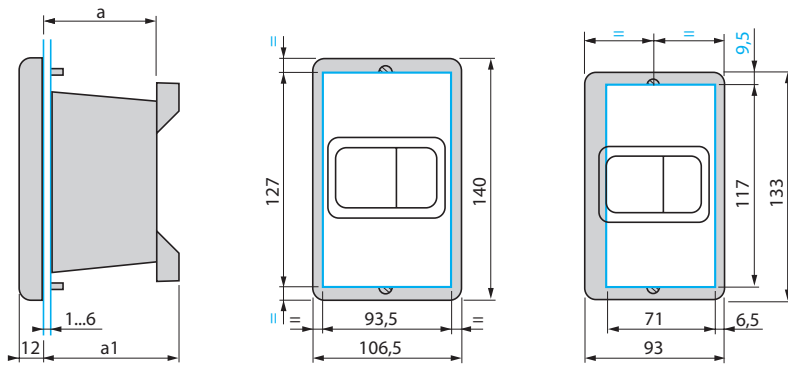


(1) 4 knock-outs for 16 mm plastic cable glands or n  $\pi$ 16 conduit

Flush mounting enclosure GV2-MP0 i (bracket cut-out)  
GV2-MP0 i

GV2-MP01, MP02

GV2-MP03, MP04



GV2-	a	a1
MP01, MP02	71	-
MP03, MP04	71	86

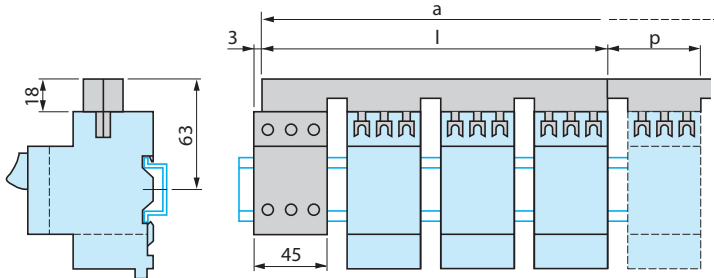
# Motor circuit-breakers

Thermal-magnetic motor circuit-breakers types GV2-M and GV2-P

Dimensions, mounting

References :  
pages 1/84 to 1/90

Sets of busbars GV1-G07, GV2-G01, GV2-G03, with terminal block GV2-G05

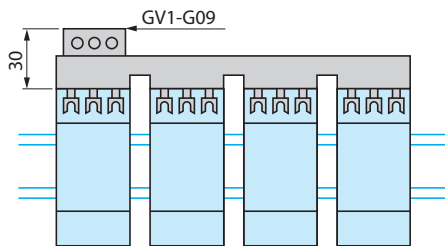


	l	p
GV1-G07 (4 x 54 mm)	206	54
GV2-G01 (4 x 45 mm)	179	45
GV2-G03 (4 x 45 mm)	260	72

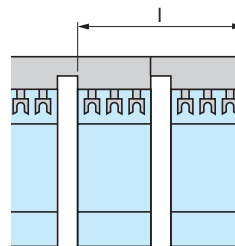
  

	a			
No. of tap-offs	5	6	7	8
GV1-G07	260	314	368	422
GV2-G01	224	269	314	359
GV2-G03	332	404	476	548

Sets of busbars GV i-G0 i with terminal block GV1-G09

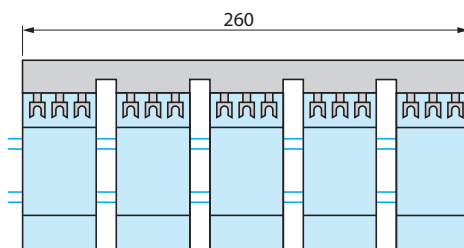


Sets of busbars GV1-G08, GV2-G02, GV2-G04

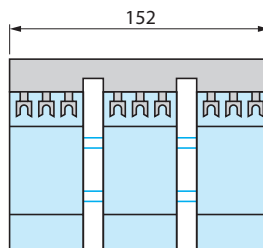


	l
GV1-G08 (2 x 54 mm)	98
GV2-G02 (2 x 45 mm)	89
GV2-G04 (2 x 72 mm)	116

Set of busbars GV2-G07



Set of busbars GV2-G06



# Motor circuit-breakers

## Magnetic motor circuit-breakers type GV2-L

### References



1

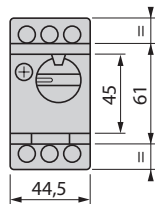
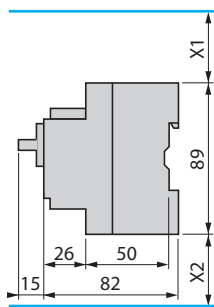
### Magnetic motor circuit-breakers GV2-L



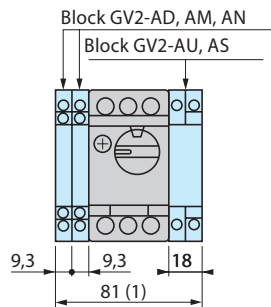
GV2-L

Rotary handle						Magnetic protection rating	Tripping current Id	Use in association with thermal overload relay	Reference	Weight
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3										
230 V	415 V	440 V	500 V	690 V		A	A			kg
0.06	0.09	0.09	-	-	0.4	5	LR2-D1303	GV2-L03	0.330	
-	0.12	0.18	-	0.37	0.63	8	LR2-D1304	GV2-L04	0.330	
0.09	0.25	0.25	0.37	0.55	1	13	LR2-D1305	GV2-L05	0.330	
0.12	0.37	0.37	0.37	0.75	1.6	22.5	LR2-D1306	GV2-L06	0.330	
0.18	0.37	0.37	0.37	0.75	1.1					
0.25	0.55	0.55	0.75	1.1	2.5	33.5	LR2-D1307	GV2-L07	0.330	
0.37	0.75	0.75	1.1	1.5	4	51	LR2-D1308	GV2-L08	0.330	
0.55	1.1	1.5	1.5	2.2	4	51	LR2-D1308	GV2-L08	0.330	
0.75	1.5	2.2	2.2	3	6.3	78	LR2-D1310	GV2-L10	0.330	
1.1	2.2	2.2	3	4	6.3	78	LR2-D1310	GV2-L10	0.330	
1.5	3	-	4	5.5	10	138	LR2-D1312	GV2-L14	0.330	
2.2	4	4	5.5	7.5	10	138	LR2-D1314	GV2-L14	0.330	
2.2	5.5	5.5	7.5	9	14	170	LR2-D1316	GV2-L16	0.330	
3				11						
4	7.5	7.5	7.5	11	18	223	LR2-D1321	GV2-L20	0.330	
		9	9	15						
5.5	9	11	11	18.5	25	327	LR2-D1322	GV2-L22	0.330	
	11		15	22						

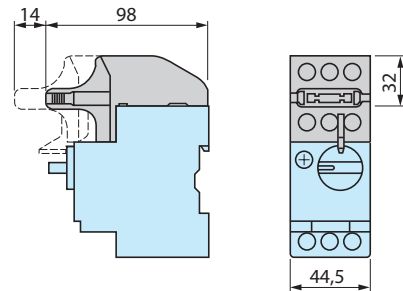
GV2-L



GV2-AD, AM, AN, AU, AS,



GV2-AK00



X2 = 40 mm

X1 Electrical clearance = 40 mm for Ue } 415 V, or 80 mm for Ue = 440 V, or 120 mm for Ue = 500 and 690 V (1) Maximum

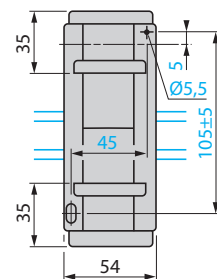
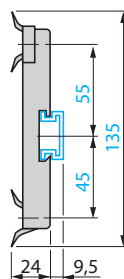
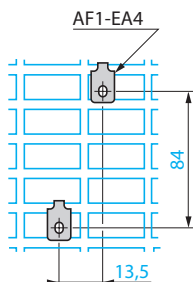
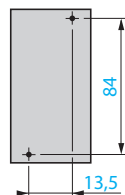
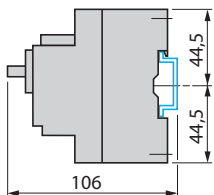
Mounting of GV2-L

On panel

On pre-slotted mounting plate AM1-P A

Adaptor plate GK2-AF01

On mounting rail AM1-DE 200, AM1-ED200 (35 x 15)



# Motor circuit-breakers

## Magnetic motor circuit-breakers type GV2-LE

### References



## Magnetic motor circuit-breakers GV2-LE



GV2-LE

### Rocker lever

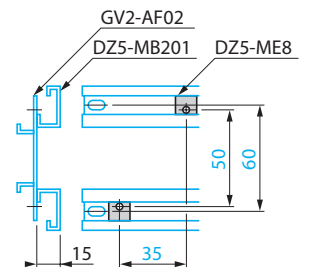
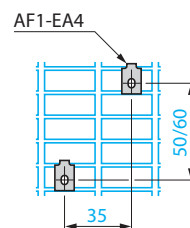
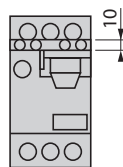
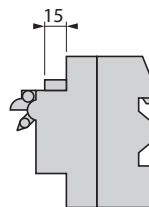
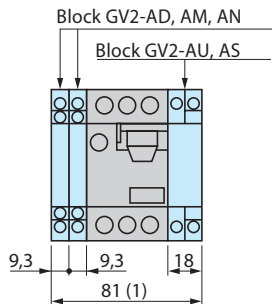
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3						Magnetic protection rating	Tripping current Id	Use in association with thermal overload relay	Reference	Weight
220 V	400 V	440 V	500 V	690 V	A	A	o 20 %			kg
-	0.06	0.06	-	-	0.4	5		LR2-K0302	GV2-LE03	0.330
-	-	0.09	-	-	0.4	5		LR2-K0303	GV2-LE03	0.330
0.06	0.09	0.12	-	-	0.4	5		LR2-K0304	GV2-LE03	0.330
-	0.12	-	-	0.37	0.63	8		LR2-K0304	GV2-LE04	0.330
-	0.18	0.18	-	-	0.63	8		LR2-K0305	GV2-LE04	0.330
0.09	-	0.25	-	0.55	1	13		LR2-K0305	GV2-LE05	0.330
0.12	-	0.25	0.37	0.75	1	13		LR2-K0306	GV2-LE05	0.330
-	0.37	0.37	0.37	0.75	1.6	22.5		LR2-K0306	GV2-LE06	0.330
0.18	0.37	0.37	0.37	0.75	1.6	22.5		LR2-K0307	GV2-LE06	0.330
0.25	0.55	0.55	0.55	1.1	1.6	22.5		LR2-K0307	GV2-LE06	0.330
-	-	0.75	-	-	2.5	33.5		LR2-K0307	GV2-LE07	0.330
0.37	0.75	1.1	1.1	-	2.5	33.5		LR2-K0308	GV2-LE07	0.330
-	-	1.1	-	-	2.5	33.5		LR2-K0308	GV2-LE07	0.330
0.55	1.5	1.5	1.5	3	4	51		LR2-K0310	GV2-LE08	0.330
0.75	-	-	2.2	-	4	51		LR2-K0312	GV2-LE08	0.330
1.1	2.2	2.2	3	4	6.3	78		LR2-K0312	GV2-LE10	0.330
-	-	3	-	-	6.3	78		LR2-K0314	GV2-LE10	0.330
1.5	3	4	4	-	10	138		LR2-K0314	GV2-LE14	0.330
-	4	-	-	-	10	138		LR2-K0316	GV2-LE14	0.330
2.2	4	4	5.5	7.5	10	138		LR2-D1314	GV2-LE14	0.330
2.2	5.5	5.5	7.5	9	14	170		LR2-D1316	GV2-LE16	0.330
3	-	-	-	11	-	-		-	-	-
4	7.5	7.5	7.5	11	18	223		LR2-D1321	GV2-LE20	0.330
-	-	9	9	15	-	-		-	-	-
5.5	9	11	11	18.5	25	327		LR2-D1322	GV2-LE22	0.330
-	11	-	15	22	-	-		-	-	-
7.5	15	15	18.5	22	-	416		LR2-D2353	GV-LE32	0.260

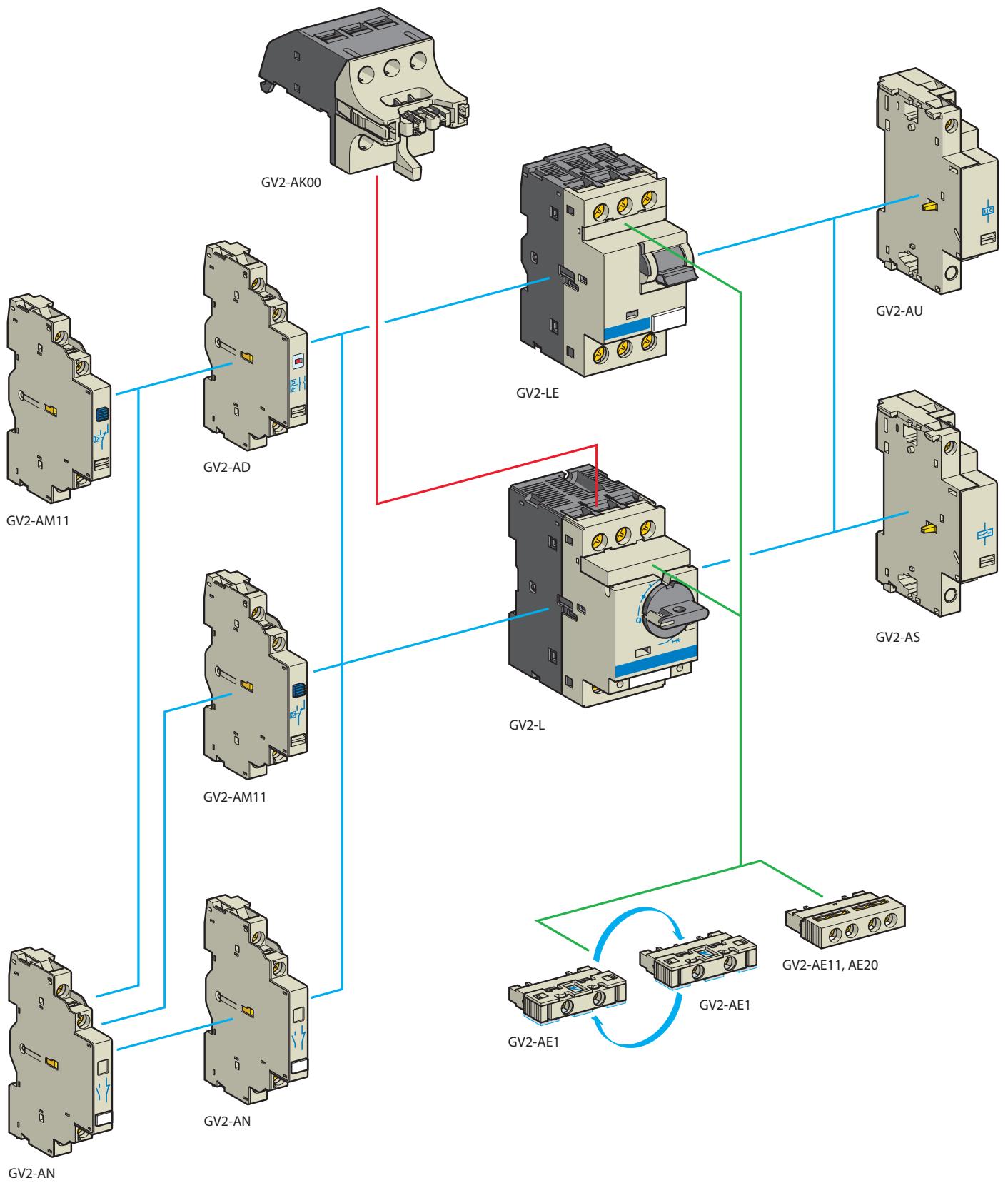
GV2-AD, AM, AN, AU, AS

GV2-AE

On pre-slotted mounting plate OAM1-PA

On mounting rails DZ5-MB201





# Motor circuit-breakers

## Magnetic motor circuit-breakers types GV2-L and GV2-LE Accessories

Illustrations :  
page 1/94  
Dimensions :  
pages 1/92 and 1/93

### References

#### Contact blocks (4)

Description	Mounting	Contact types	Sold in lots of	Unit reference	Weight kg	
Instantaneous auxiliary contacts	Front (1) (1 block per breaker)	N/O or N/C (2)	10	GV2-AE1	0.015	
		N/O + N/C	10	GV2-AE11	0.020	
		N/O + N/O	10	GV2-AE20	0.020	
	Side (up to 2 blocks on LH side of breaker)	N/O + N/C	1	GV2-AN11	0.050	
		N/O + N/O	1	GV2-AN20	0.050	
Fault signalling contact + instantaneous auxiliary contact	Side (3) (1 block on LH side of breaker)	Fault				
		N/O	+ N/O	1	GV2-AD1010	0.055
		N/O	+ N/C	1	GV2-AD1001	0.055
		N/C	+ N/O	1	GV2-AD0110	0.055
		N/C	+ N/C	1	GV2-AD0101	0.055
Short-circuit signalling contact	Side (1 block on LH side of breaker)	C/O common point	1	GV2-AM11	0.045	

#### Electric trips

Mounting	Type	Voltage	Reference	Weight kg	
Side (1 block on RH side of breaker)	Undervoltage trip	110...127 V 50 Hz	GV2-AU115	0.105	
		60 Hz	GV2-AU116	0.105	
		220...240 V 50 Hz	GV2-AU225	0.105	
		60 Hz	GV2-AU226	0.105	
		380...400 V 50 Hz	GV2-AU385	0.105	
		60 Hz	GV2-AU386	0.105	
		415...440 V 50 Hz	GV2-AU415	0.105	
		440 V 60 Hz	GV2-AU385	0.105	
		500 V 50 Hz	GV2-AU505	0.105	
		600 V 60 Hz	GV2-AU505	0.105	
		Overvoltage trip	110...115 V 50 Hz	GV2-AS115	0.105
			60 Hz	GV2-AS116	0.105
			220...240 V 50 Hz	GV2-AS225	0.105
			60 Hz	GV2-AS226	0.105
380...400 V 50 Hz	GV2-AS385		0.105		
60 Hz	GV2-AS386		0.105		
415...440 V 50 Hz	GV2-AS415		0.105		
440 V 60 Hz	GV2-AS385		0.105		
500 V 50 Hz	GV2-AS505		0.105		
600 V 60 Hz	GV2-AS505		0.105		

#### Add-on contact blocks

Description	Mounting	Operation	Reference	Weight kg
Visible isolation block	Front (1) (1 block per breaker)	3-pole visible isolation on incoming side of GV2-L motor circuit-breaker	GV2-AK00	0.150

(1) Mounting of a GV2-AE contact block or a GV2-AK00 visible isolation block on GV2-L .

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

(3) The GV2-AD is always mounted next to the circuit-breaker.

(4) Maximum of 2 contact blocks on left hand side of breaker.