

Motor circuit-breakers

Thermal-magnetic motor circuit-breakers type GV2-M

References



1



GV2-M

Thermal-magnetic motor circuit-breakers GV2-M

Pushbutton control

| Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 | | | | | Setting range of thermal trips | Magnetic tripping current $I_d \pm 20\%$ | Thermal current I_{th} in GV2-M enclosure | Reference | Weight |
|--|-------|-------|-------|-------|--------------------------------|--|---|----------------|--------|
| 220 V | 400 V | 440 V | 500 V | 690 V | | | | | |
| kW | kW | kW | kW | kW | 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.

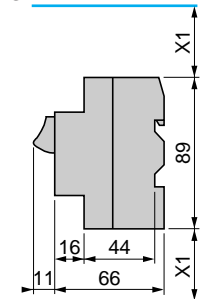
Example : **GV2-M01** becomes **GV2-M01AE11TQ**.

- 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.

GV2-M



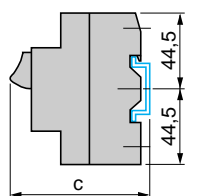
X1 Electrical clearance = 40 mm for $U_e \leq 690$ V

Mounting of GV2-M

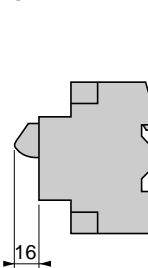
On 35 mm rail

c = 78.5 on AM1-DP200 (35 x 7.5)

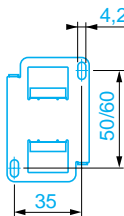
c = 86 on AM1-DE200, ED200 (35 x 15)



GV2-AX



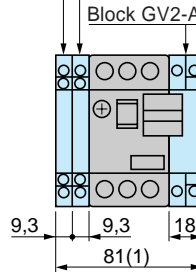
On panel with adaptor plate **GV2-AF02**



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

Block GV2-AD, AM, AN

Block GV2-AU, AS, AX

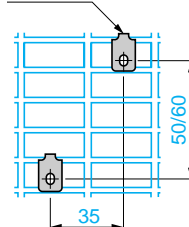


(1) Maximum

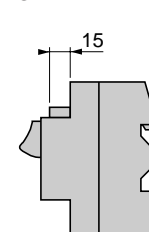
On pre-slotted mounting plate

AM1-PA

AF1-EA4



GV2-AE

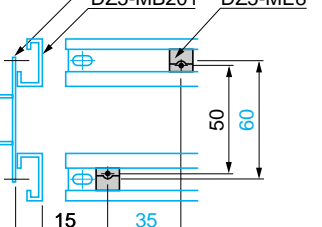


On mounting rail **DZ5-MB201**

GV2-AF02

DZ5-MB201

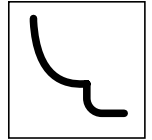
DZ5-ME8



Motor circuit-breakers

Thermal-magnetic motor circuit-breakers type GV2-P

References



Thermal-magnetic motor circuit-breakers GV2-P

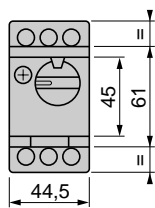
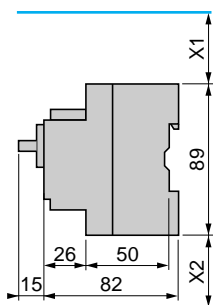
Control by rotary handle

| Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 | | | | | Setting range of thermal trips | Magnetic tripping current $I_d \pm 20\%$ | 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 | 0.37 | 0.75 | 1...1.6 | 22.5 | GV2-P06 | 0.350 |
| 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 | 1...1.6 | 22.5 | GV2-P06 | 0.350 |
| 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 | 2.2 | 3 | 2.5...4 | 51 | GV2-P08 | 0.350 |
| 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 | 5.5 | 7.5 | 6...10 | 138 | GV2-P14 | 0.350 |
| 2.2 | 5.5 | 5.5 | 7.5 | 9 | 9...14 | 170 | GV2-P16 | 0.350 |
| 3 | 7.5 | 7.5 | 9 | 11 | 9...14 | 170 | GV2-P16 | 0.350 |
| 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 |

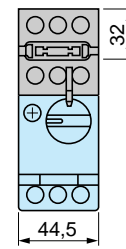
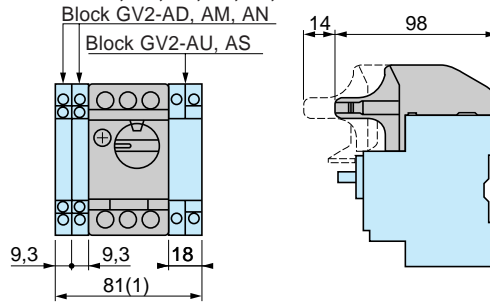


GV2-P

GV2-P



GV2-AD, AM, AN, AU, AS, GV2-AK00



X2 = 40 mm
X1 Electrical clearance = 40 mm for $U_e \leq 415$ V, or 80 mm for $U_e = 440$ V, or 120 mm for $U_e = 500$ and 690 V

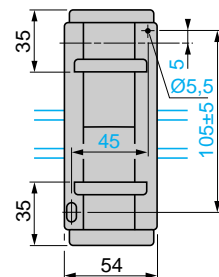
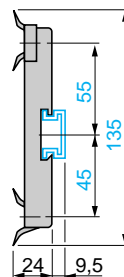
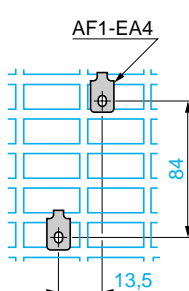
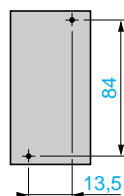
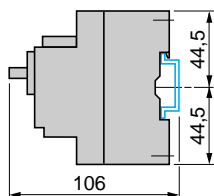
Mounting of GV2-P

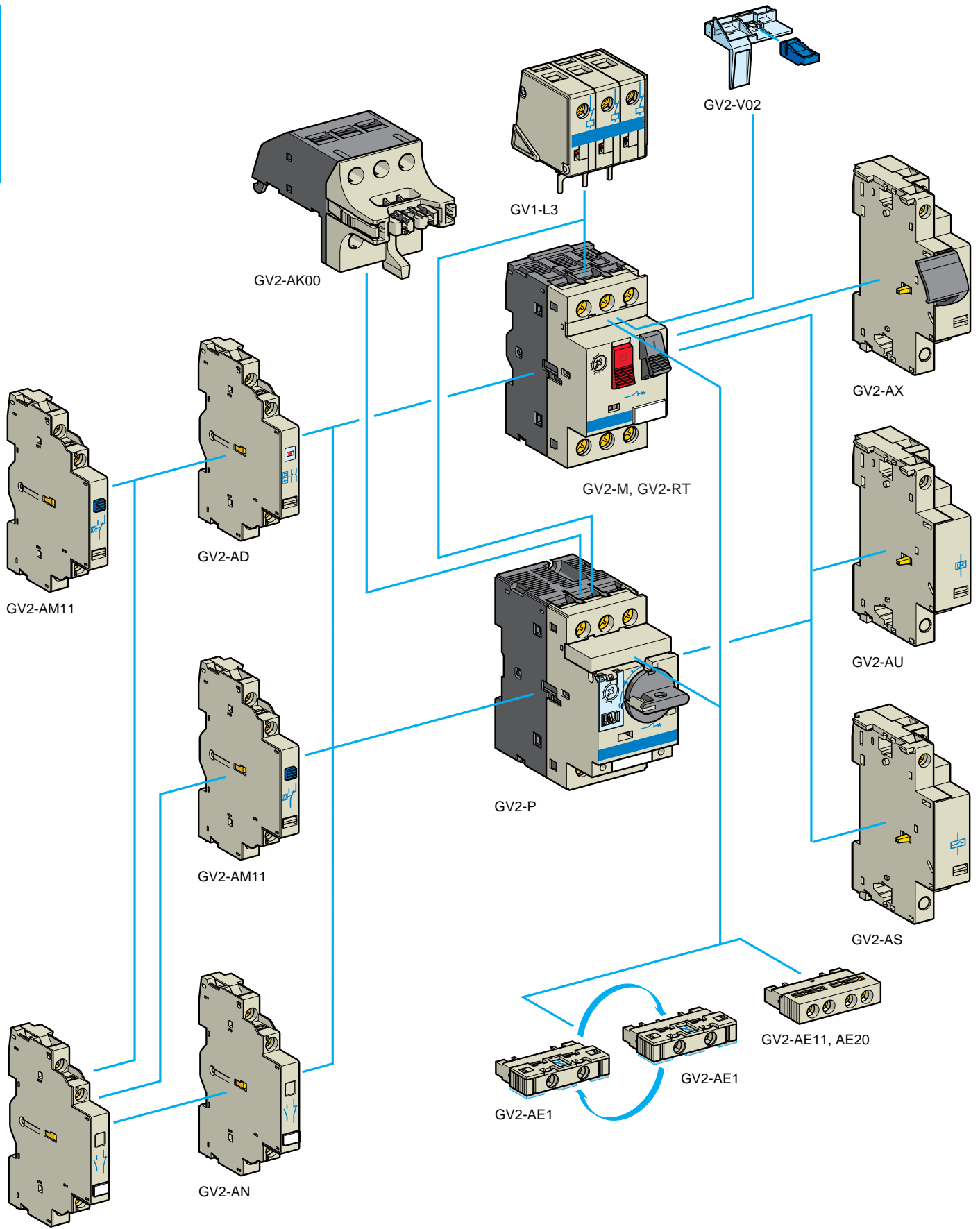
On 35 mm mounting rail ED200 (35 x 15)

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

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

References

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) | 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 | | | |
| | | 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...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 | 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) | 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 | | | |

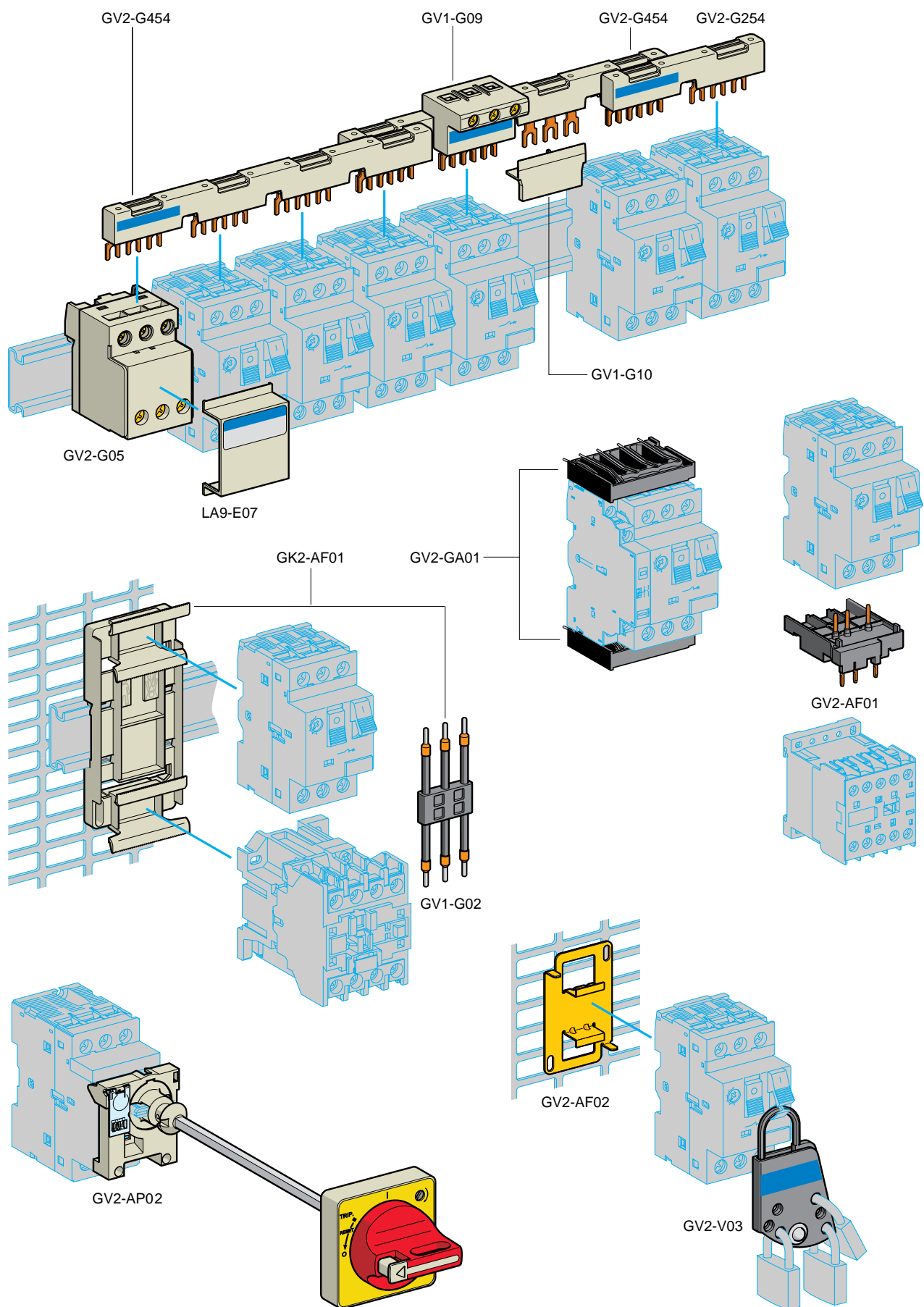
Add-on contact blocks

| 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 |
|------------------|-------|---|----|----------------|-------|

- (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 :
page 1/88

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 | GK2-AF01 | 0.120 |
| Adaptor plate | For screw fixing of a GV2-M | 10 | GV2-AF02 | 0.021 |
| 7.5 mm height compensation plate | To allow GV2-M and GV2-L/P to be mounted on a common busbar | 10 | GV1-F03 | 0.003 |
| Combination block | Between GV2-M and LC1-K or LP1-K contactor | 10 | GV2-AF01 | 0.020 |

Cabling accessories

| Description | Application | Pitch mm | Reference | Weight kg |
|-------------------------------------|-------------|-----------------|-----------------|-----------|
| Sets of 3-pole, 63 A busbars | 2 tap-offs | 45 | GV2-G245 | 0.036 |
| | | 54 | GV1-G254 | 0.038 |
| | | 72 | GV2-G272 | 0.042 |
| | 3 tap-offs | 54 | GV2-G354 | 0.060 |
| | | 45 | GV2-G445 | 0.077 |
| | 4 tap-offs | 54 | GV1-G454 | 0.085 |
| | | 72 | GV2-G472 | 0.094 |
| 5 tap-offs | 54 | GV2-G554 | 0.100 | |

| Description | Application | Sold in lots of | Unit reference | Weight kg |
|---|---|-----------------|----------------|-----------|
| Protective end cover | For unused busbar outlets | 5 | GV1-G10 | 0.005 |
| Terminal blocks for supply to one or more GV1-G0● or GV2-G0● busbar sets | Connection from the top | 1 | GV1-G09 | 0.040 |
| | Can be fitted with a GV1-L3 current limiter | 1 | GV2-G05 | 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 | GV1-G02 | 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 | LA9-D90 | 0.001 |
| | For GV2-P (8 x 22 mm) | 100 | LA9-D92 | 0.001 |

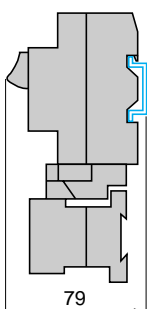
Padlockable external operator

| Description | Reference | Weight kg |
|------------------------------|--|-----------|
| For GV2-P (150 to 290 mm) | Black handle, blue legend plate GV2-AP01 | 0.200 |
| | Red handle, yellow legend plate GV2-AP02 | 0.200 |

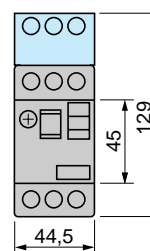
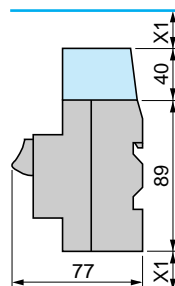
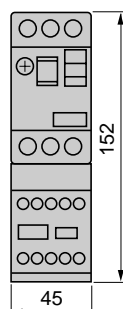
Padlocking device

| | | | |
|---------------------|---|----------------|-------|
| For all GV2 devices | 6 padlocks, Ø 6 mm shank max. (padlock not supplied) | GV2-V03 | 0.130 |
|---------------------|---|----------------|-------|

GV2-AF01
GV2-M + K contactor combination

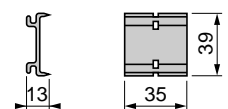


GV2-M + GV1-L3 (current limiter)

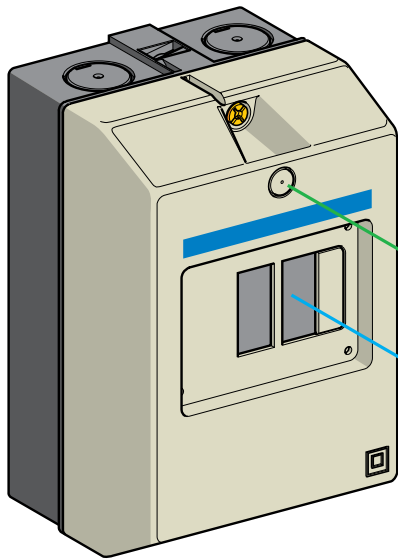


X1 = 10 mm for $U_e = 230$ V or 30 mm for 230 V < $U_e \leq 690$ V

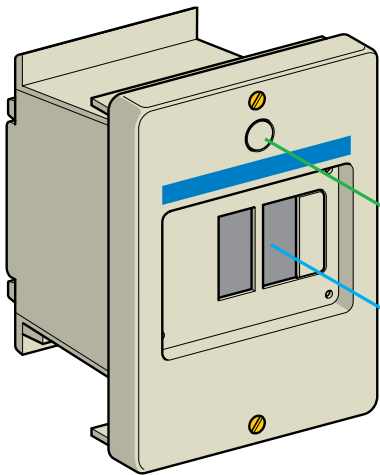
7.5 mm height compensation plate
GV1-F03



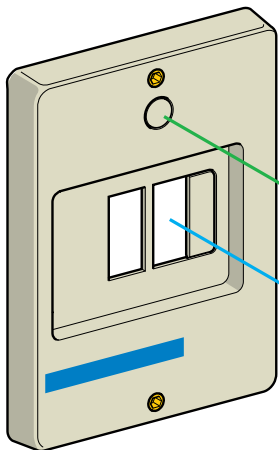
1



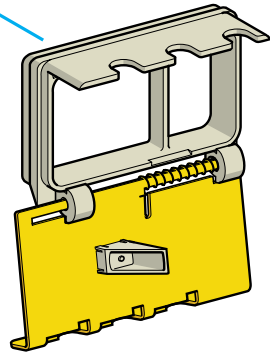
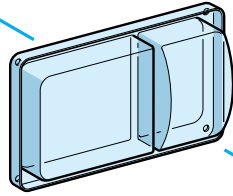
GV2-MC



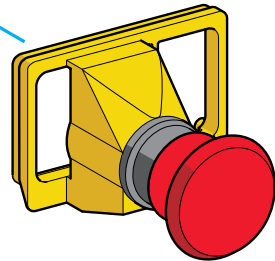
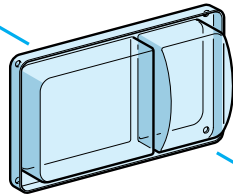
GV2-MP



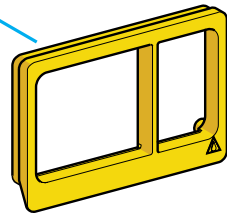
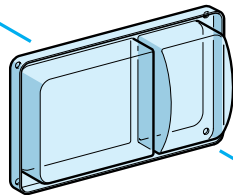
GV2-CP



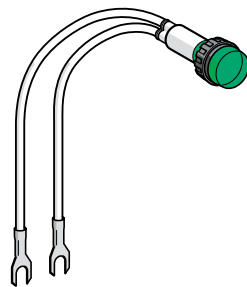
GV2-V01



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● and GV2-MP01 or MP02, 1 accessory only on right for GV2-MP03 and GV2-MP04) | Surface mounting, double insulated with protective conductor. Sealable cover. | IP 41 | GV2-MC01 | 0.290 |
| | | IP 55 | GV2-MC02 | 0.300 |
| | | IP 55 for temperature < + 5 °C | GV2-MC03 | 0.300 |
| | Flush mounting with protective conductor | IP 41 (front face) | GV2-MP01 | 0.115 |
| | | IP 41 (reduced flush mounting) | GV2-MP03 | 0.115 |
| | | IP 55 (front face) | GV2-MP02 | 0.130 |
| | | IP 55 (reduced flush mounting) | GV2-MP04 | 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 | GV2-CP21 | 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 | GV2-V01 | 0.075 | |
| Mushroom head "stop" pushbutton (1) Ø 40 mm, red | Spring return | 1 | GV2-K01 | 0.052 | |
| | Latching | Key release (key n° 455) | 1 | GV2-K02 | 0.095 |
| | | Turn to release | 1 | GV2-K03 | 0.052 |
| Sealing kit | For enclosures and front plate | IP 55 | 10 | GV2-E01 | 0.012 |
| | | IP 55 for temperature < + 5 °C | 10 | GV2-E02 | 0.012 |
| Neutral link | | 10 | GV2-N01 | 0.030 | |
| Description | Voltage V | Colour | Sold in lots of | Reference | Weight kg |
| Neon indicator light | 110 | Green | 10 | GV2-SN13 | 0.019 |
| | | Red | 10 | GV2-SN14 | 0.019 |
| | | Orange | 10 | GV2-SN15 | 0.019 |
| | | Clear | 10 | GV2-SN17 | 0.019 |
| | 220/240 | Green | 10 | GV2-SN23 | 0.019 |
| | | Red | 10 | GV2-SN24 | 0.019 |
| | | Orange | 10 | GV2-SN25 | 0.019 |
| | | Clear | 10 | GV2-SN27 | 0.019 |
| | 380/440 | Green | 10 | GV2-SN33 | 0.019 |
| | | Red | 10 | GV2-SN34 | 0.019 |
| | | Orange | 10 | GV2-SN35 | 0.019 |
| | | Clear | 10 | GV2-SN37 | 0.019 |

(1) Supplied with IP 55 sealing kit.

Motor circuit-breakers

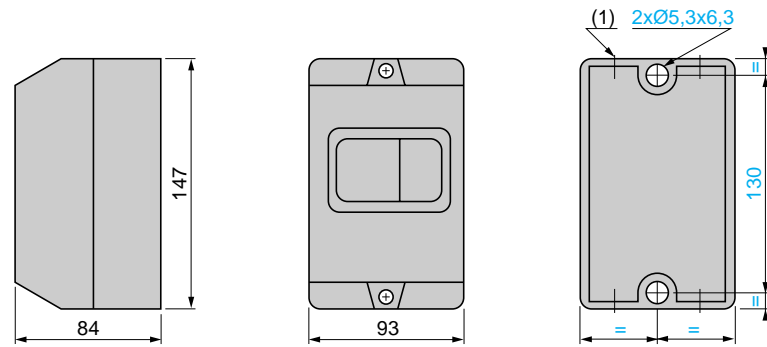
Thermal-magnetic motor circuit-breakers types GV2-M and GV2-P

Dimensions, mounting

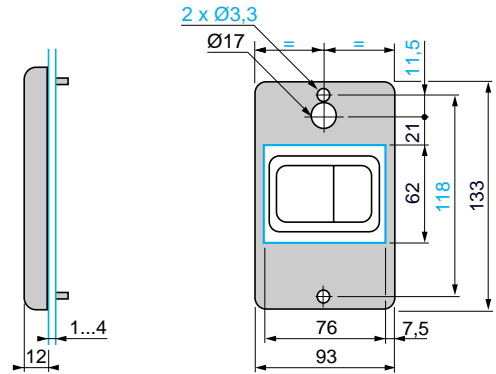
References :
pages : 91019/2 to 91019/5

1

Surface mounting enclosure GV2-MC0●



Front plate GV2-CP21

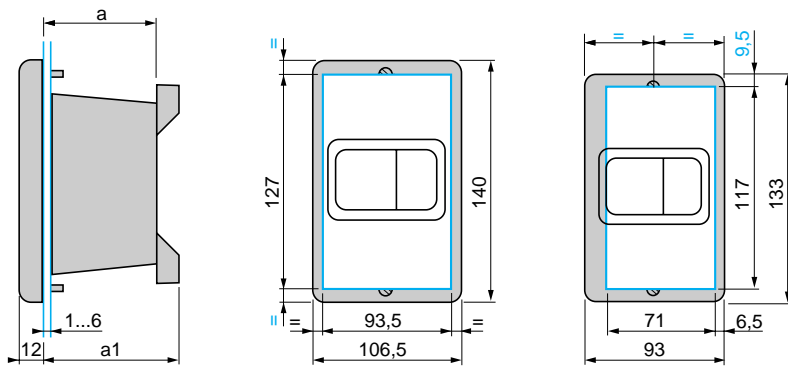


(1) 4 knock-outs for 16 mm plastic cable glands or n° 16 conduit

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

GV2-MP01, MP02

GV2-MP03, MP04



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

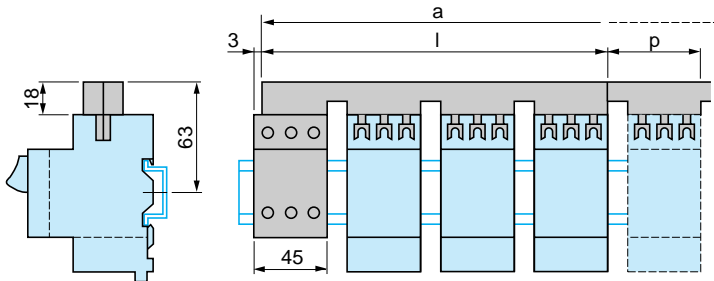
Motor circuit-breakers

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

Dimensions, mounting

References :
pages 1/84 to 1/90

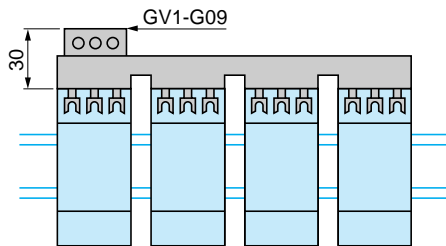
Sets of busbars GV1-G07, GV2-G01, GV2-G03, with terminal block GV2-G05



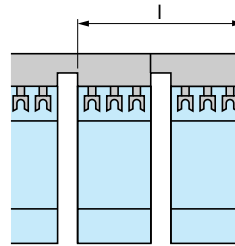
| | l | p |
|----------------------------|-----|----|
| GV1-G07 (4 x 54 mm) | 206 | 54 |
| GV2-G01 (4 x 45 mm) | 179 | 45 |
| GV2-G03 (4 x 45 mm) | 260 | 72 |

| | 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●-G0●
with terminal block GV1-G09

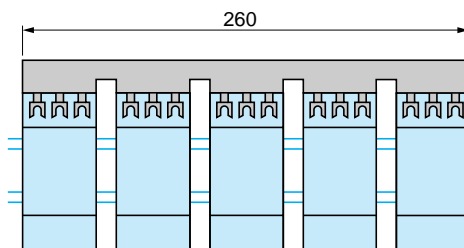


Sets of busbars GV1-G08, GV2-G02, GV2-G04

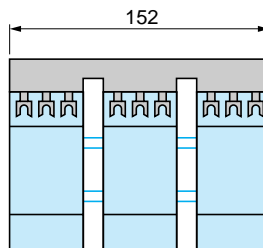


| | l |
|----------------------------|-----|
| GV1-G08 (2 x 54 mm) | 98 |
| GV2-G02 (2 x 45 mm) | 89 |
| GV2-G04 (2 x 72 mm) | 116 |

Set of busbars GV2-G07



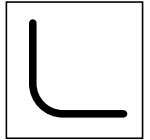
Set of busbars GV2-G06



Motor circuit-breakers

Magnetic motor circuit-breakers type GV2-L

References



1

Magnetic motor circuit-breakers GV2-L

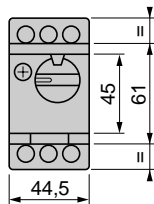
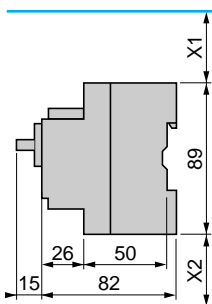


GV2-L

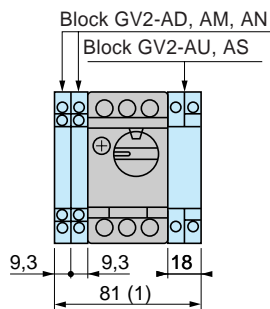
Rotary handle

| Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 | | | | | Magnetic protection rating | Tripping current $I_d \pm 20\%$ | Use in association with thermal overload relay | Reference | Weight |
|--|-------|-------|-------|-------|----------------------------|---------------------------------|--|----------------|--------|
| 220 V | 415 V | 440 V | 500 V | 690 V | | | | | |
| kW | kW | kW | kW | kW | 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 | 1.6 | 22.5 | LR2-D1306 | GV2-L06 | 0.330 |
| 0.25 | 0.55 | 0.55 | 0.55 | 1.1 | 2.5 | 33.5 | LR2-D1307 | GV2-L07 | 0.330 |
| 0.37 | 0.75 | 0.75 | 1.1 | 1.5 | 2.5 | 33.5 | LR2-D1307 | GV2-L07 | 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 | 18 | 223 | LR2-D1321 | GV2-L20 | 0.330 |
| 4 | 7.5 | 7.5 | 7.5 | 11 | 18 | 223 | LR2-D1321 | GV2-L20 | 0.330 |
| 5.5 | 9 | 11 | 11 | 18.5 | 25 | 327 | LR2-D1322 | GV2-L22 | 0.330 |
| - | 11 | 15 | 15 | 22 | - | - | - | - | - |

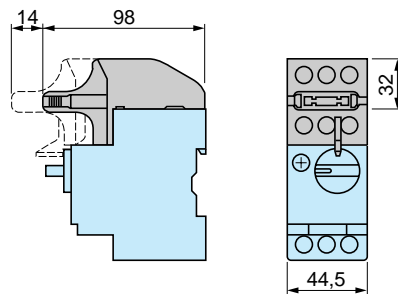
GV2-L



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



GV2-AK00



X2 = 40 mm

X1 Electrical clearance = 40 mm for $U_e \leq 415$ V, or 80 mm for $U_e = 440$ V, or 120 mm for $U_e = 500$ and 690 V

(1) Maximum

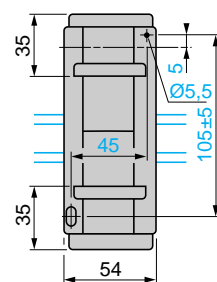
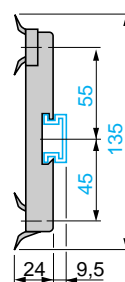
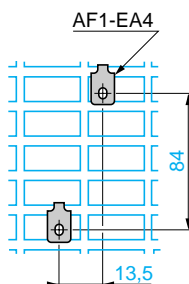
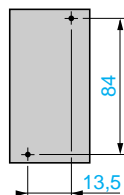
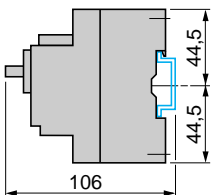
Mounting of GV2-L

On mounting rail AM1-DE200, AM1-ED200 (35 x 15)

On panel

On pre-slotted mounting plate AM1-PA

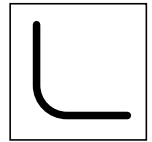
Adaptor plate GK2-AF01



Motor circuit-breakers

Magnetic motor circuit-breakers type GV2-LE

References



Magnetic motor circuit-breakers GV2-LE

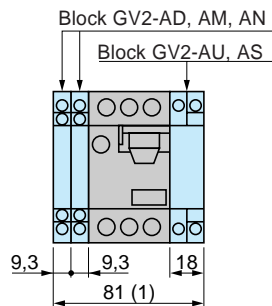


GV2-LE

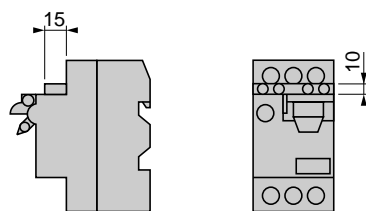
Rocker lever

| Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 | | | | | | Magnetic protection rating | Tripping current $I_d \pm 20\%$ | Use in association with thermal overload relay | Reference | Weight |
|--|-------|-------|-------|-------|-------|----------------------------|---------------------------------|--|--------------------------|--------|
| 220 V | 400 V | 415 V | 440 V | 500 V | 690 V | | | | | |
| kW | kW | kW | kW | kW | kW | A | A | | | 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 | 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 | 1 | 13 | LR2-K0305 | GV2-LE05 | 0.330 |
| 0.12 | – | 0.25 | 0.37 | 0.37 | 0.75 | 1 | 13 | LR2-K0306 | GV2-LE05 | 0.330 |
| – | 0.25 | 0.37 | 0.37 | 0.75 | 1.6 | 1.6 | 22.5 | LR2-K0306 | GV2-LE06 | 0.330 |
| 0.18 | 0.37 | 0.37 | 0.37 | 0.75 | 1.6 | 1.6 | 22.5 | LR2-K0307 | GV2-LE06 | 0.330 |
| 0.25 | 0.55 | 0.55 | 0.55 | 1.1 | 1.6 | 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 | 4 | 51 | LR2-K0310 | GV2-LE08 | 0.330 |
| 0.75 | – | – | – | – | – | 4 | 51 | LR2-K0312 | GV2-LE08 | 0.330 |
| – | – | – | 2.2 | – | – | 4 | 51 | LR2-K0312 | GV2-LE10 | 0.330 |
| 1.1 | 2.2 | 2.2 | 3 | 4 | 6.3 | 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 | 10 | 138 | LR2-D1314 | GV2-LE14 | 0.330 |
| 2.2 | 5.5 | 5.5 | 7.5 | 9 | 14 | 14 | 170 | LR2-D1316 | GV2-LE16 | 0.330 |
| 3 | – | – | – | – | – | 11 | – | – | – | – |
| 4 | 7.5 | 7.5 | 7.5 | 11 | 18 | 18 | 223 | LR2-D1321 | GV2-LE20 | 0.330 |
| – | – | 9 | 9 | 15 | – | – | – | – | – | – |
| 5.5 | 9 | 11 | 11 | 18.5 | 25 | 25 | 327 | LR2-D1322 | GV2-LE22 | 0.330 |
| – | 11 | 15 | 15 | 22 | – | – | – | – | – | – |
| 7.5 | 15 | 15 | 18.5 | 22 | – | – | 416 | LR2-D2353 | GV-LE32 | 0.260 |

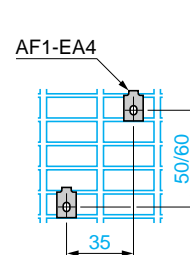
GV2-AD, AM, AN, AU, AS



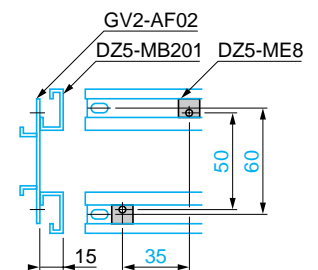
GV2-AE

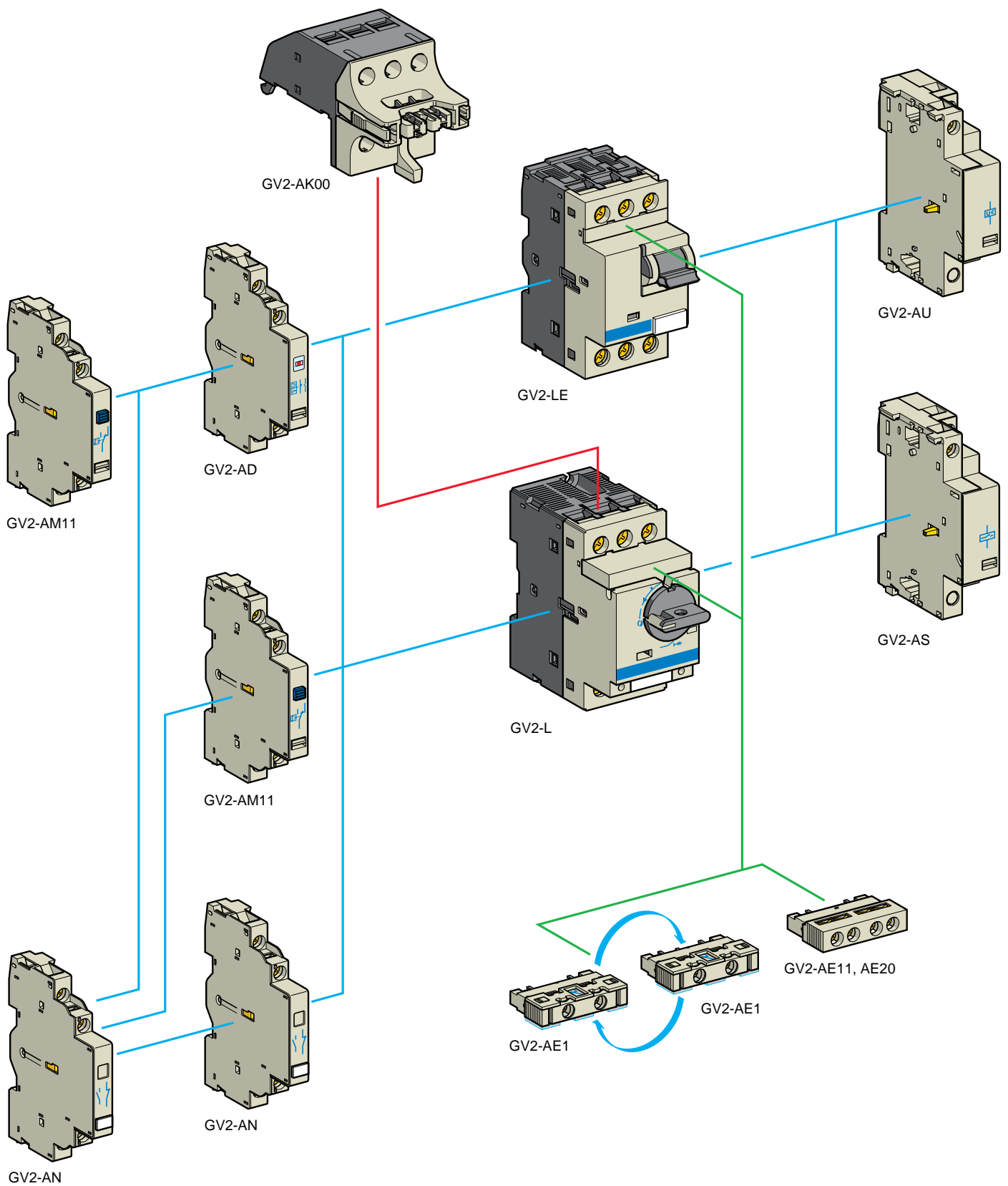


On pre-slotted mounting plate OAM1-PA



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 | Instantaneous | | | |
| | | 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.