

GV2-ME

## GV2-ME with pushbutton control and screw clamp terminals (1)

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Setting range of thermal trips (3)	Magnetic tripping current Id ± 20 %	Reference	Weight
400/415 V			500 V			690 V						
P	Icu	Ics (2)	P	Icu	Ics (2)	P	Icu	Ics (2)				
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 (4)	0.260
15	10	50	18.5	4	75	22	3	75	24...32	416	GV2-ME32	0.260

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

With instantaneous auxiliary contact block (composition, see page 3/33):

- GV-AE1, add suffix **AE11TQ** to the motor circuit-breaker reference selected above. Example: **GV2-ME01AE11TQ**.
- GV-AE11, add suffix **AE111TQ** to the motor circuit-breaker reference selected above. Example: **GV2-ME01AE111TQ**.
- GV-AN11, add suffix **AN111TQ** to the motor circuit-breaker reference selected above. Example: **GV2-ME01AN111TQ**.

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

(1) For bulk packs of GV2-ME, see page 1/51.

(2) As % of Icu.

(3) For use of GV2-ME in an enclosure, see pages 3/38 and 3/39.

(4) Maximum rating which can be mounted in enclosures GV2-MC or MP, please call our Customer information centre on 0870 608 8 608.

★ > 100 kA.

# TeSys circuit-breakers

Thermal-magnetic motor circuit-breakers  
type GV2-P



GV2-P

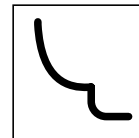
## GV2-P with rotary knob and screw clamp terminals

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Setting range of thermal trips (2)	Magnetic tripping current $I_d \pm 20\%$	Reference	Weight
400/415 V			500 V			690 V						
P	I <sub>cu</sub>	I <sub>cs</sub> (1)	P	I <sub>cu</sub>	I <sub>cs</sub> (1)	P	I <sub>cu</sub>	I <sub>cs</sub> (1)				
kW	kA		kW	kA		kW	kA		A	A		kg
-	-	-	-	-	-	-	-	-	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	★	★	-	-	-	-	-	-	0.40...0.63	8	GV2-P04	0.350
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	★	★	1...1.6	22.5	GV2-P06	0.350
-	-	-	0.75	★	★	1.1	★	★	1...1.6	22.5	GV2-P06	0.350
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
1.5	★	★	2.2	★	★	3	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	★	★	4	50	100	5.5	6	100	6...10	138	GV2-P14	0.350
4	★	★	5.5	50	100	7.5	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	9...14	170	GV2-P16	0.350
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	50	50	18.5	10	75	22	4	100	24...32	416	GV2-P32	0.350

(1) As % of I<sub>cu</sub>.

(2) For use of GV2-P in an enclosure, see pages 3/38 and 3/39.

★ &gt; 100 kA.



GV2-ME●●3

## Thermal-magnetic circuit-breakers GV2-ME with spring terminal connections (1)

Pushbutton control						Setting range of thermal trips	Magnetic tripping current $I_d \pm 20\%$	Reference	Weight
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									
400/415 V			500 V						
P	Icu	Ics (2)	P	Icu	Ics (2)	A	A		kg
kW	kA		kW	kA					
-	-	-	-	-	-	0.1...0.16	1.5	<u>GV2-ME013</u>	0.280
0.06	★	★	-	-	-	0.16...0.25	2.4	<u>GV2-ME023</u>	0.280
0.09	★	★	-	-	-	0.25...0.40	5	<u>GV2-ME033</u>	0.280
0.12	★	★	-	-	-	0.40...0.63	8	<u>GV2-ME043</u>	0.280
0.18	★	★	-	-	-				
0.25	★	★	0.37	★	★	0.63...1	13	<u>GV2-ME053</u>	0.280
0.37	★	★							
0.37	★	★	0.37	★	★	1...1.6	22.5	<u>GV2-ME063</u>	0.280
0.55	★	★	0.55	★	★				
			0.75	★	★				
0.75	★	★	1.1	★	★	1.6...2.5	33.5	<u>GV2-ME073</u>	0.280
1.1	★	★	1.5	★	★	2.5...4	51	<u>GV2-ME083</u>	0.280
1.5	★	★	2.2	★	★				
2.2	★	★	3	50	100	4...6.3	78	<u>GV2-ME103</u>	0.280
3	★	★	4	10	100	6...10	138	<u>GV2-ME143</u>	0.280
4	★	★	5.5	10	100				
5.5	15	50	7.5	6	75	9...14	170	<u>GV2-ME163</u>	0.280
7.5	15	50	9	6	75	13...18	223	<u>GV2-ME203</u>	0.280
9	15	40	11	4	75	17...23	327	<u>GV2-ME213</u>	0.260
11	15	40							
11	15	40	15	4	75	20...25	327	<u>GV2-ME223</u>	0.260

## Contact blocks

Description	Mounting	Max. number	Type of contacts	Sold in lots of	Unit reference	Weight kg
Instantaneous auxiliary contacts	Front	1	N/O + N/C	10	<u>GV-AE113</u>	0.030
			N/O + N/O	10	<u>GV-AE203</u>	0.030
	LH side	2	N/O + N/C	1	<u>GV-AN113</u>	0.060
			N/O + N/O	1	<u>GV-AN203</u>	0.060

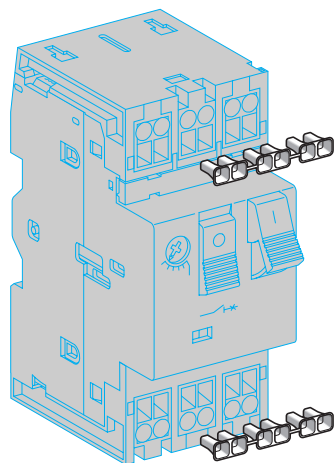
## Accessory

Description	Application	Sold in lots of	Unit reference	Weight kg
Cable end reducer (3)	For connection of conductors from 1 to 1.5 mm <sup>2</sup>	20	<u>LA9-D99</u>	-

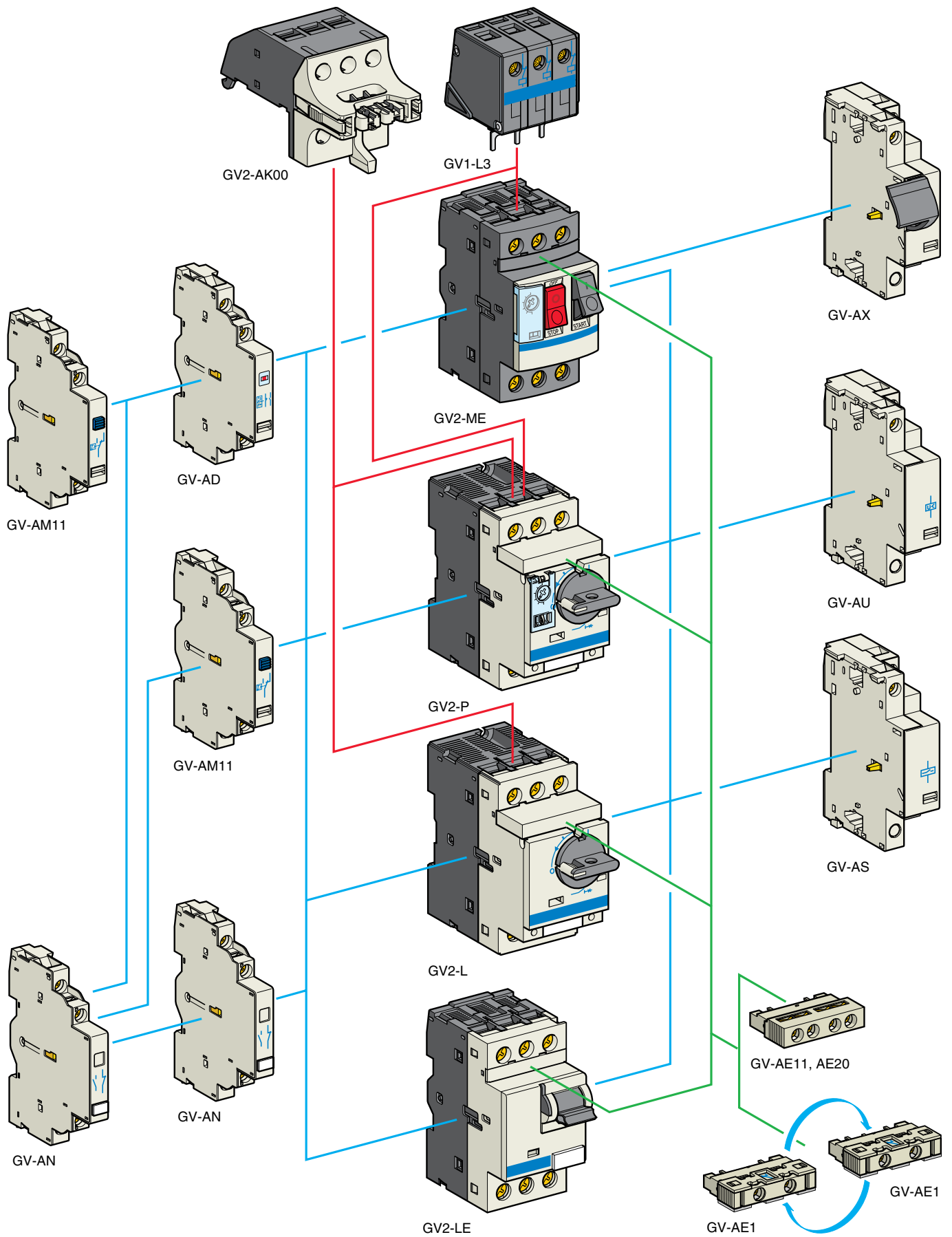
(1) For connection of conductors from 1 to 1.5 mm<sup>2</sup> the use of a cable end reducer LA9-D99 is recommended.

(2) As % of Icu. ★ > 100 kA

(3) 2 supplied with each circuit-breaker as standard.



LA9-D99



# TeSys circuit-breakers

Thermal-magnetic and magnetic motor circuit-breakers type GV2 with screw clamp terminals

Accessories

## Contact blocks with screw clamp terminals

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

## Electric trips with screw clamp terminals

Mounting	Voltage	Reference	Weight kg
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### Undervoltage or shunt trips (4)

<b>Side</b> (1 block on RH side of circuit-breaker)	24 V	50 Hz	<b>GV-A●025</b>	0.105
		60 Hz	<b>GV-A●026</b>	0.105
	48 V	50 Hz	<b>GV-A●055</b>	0.105
		60 Hz	<b>GV-A●056</b>	0.105
	100 V	50 Hz	<b>GV-A●107</b>	0.105
	100...110 V	60 Hz	<b>GV-A●107</b>	0.105
	110...115 V	50 Hz	<b>GV-A●115</b>	0.105
		60 Hz	<b>GV-A●116</b>	0.105
	120...127 V	50 Hz	<b>GV-A●125</b>	0.105
	127 V	60 Hz	<b>GV-A●115</b>	0.105
	200 V	50 Hz	<b>GV-A●207</b>	0.105
	200 V...220 V	60 Hz	<b>GV-A●207</b>	0.105
	220 V...240 V	50 Hz	<b>GV-A●225</b>	0.105
		60 Hz	<b>GV-A●226</b>	0.105
	380 V...400 V	50 Hz	<b>GV-A●385</b>	0.105
		60 Hz	<b>GV-A●386</b>	0.105
	415 V...440 V	50 Hz	<b>GV-A●415</b>	0.105
	415 V	60 Hz	<b>GV-A●416</b>	0.105
	440 V	60 Hz	<b>GV-A●385</b>	0.105
	480 V	60 Hz	<b>GV-A●415</b>	0.105
500 V	50 Hz	<b>GV-A●505</b>	0.105	
600 V	60 Hz	<b>GV-A●505</b>	0.105	

**Undervoltage trip, INRS** (can only be mounted on GV2-ME)

**Safety device for dangerous machines**, conforming to INRS and VDE 0113

<b>Side</b> (1 block on RH side of circuit-breaker GV2-ME)	110...115 V	50 Hz	<b>GV-AX115</b>	0.110
		60 Hz	<b>GV-AX116</b>	0.110
	127 V	60 Hz	<b>GV-AX115</b>	0.110
	220...240 V	50 Hz	<b>GV-AX225</b>	0.110
		60 Hz	<b>GV-AX226</b>	0.110
	380...400 V	50 Hz	<b>GV-AX385</b>	0.110
		60 Hz	<b>GV-AX386</b>	0.110
	415...440 V	50 Hz	<b>GV-AX415</b>	0.110
440 V	60 Hz	<b>GV-AX385</b>	0.110	

## Add-on contact blocks with screw clamp terminals

Description	Mounting	Maximum number	Reference	Weight kg
<b>Visible isolation block (5)</b>	Front (1)	1	<b>GV2-AK00</b>	0.150
<b>Limiters</b>	At top	1	<b>GV1-L3</b>	0.130
	(GV2-ME and GV2-P)			
	Independent	1	<b>LA9-LB920</b>	0.320

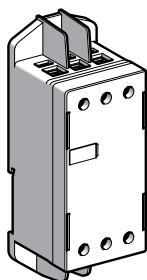
(1) Mounting of a **GV-AE** contact block or a **GV2-AK00** visible isolation block on **GV2-P** and **GV2-L**.

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

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

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

(5) Visible isolation of the 3 poles upstream of circuit-breaker **GV2-P** and **GV2-L**.



LA9-LB920



# TeSys circuit-breakers

Thermal-magnetic and magnetic motor circuit-breakers  
type GV2 with screw clamp terminals  
Accessories

## Accessories

Description	Application	Sold in lots of	Unit reference	Weight kg
<b>Adapter plate</b>	For mounting a GV2-ME or GV2-LE by screw fixing	10	<b>GV2-AF02</b>	0.021
	For mounting a GV2-ME or GV2-P and contactor LC1-D09 to D38 with front faces aligned	10	<b>LAD-31</b>	0.040
<b>Height compensation plate</b>	7.5 mm	10	<b>GV1-F03</b>	0.003
<b>Combination block</b>	Between GV2 and contactor LC1-K or LP1-K	10	<b>GV2-AF01</b>	0.020
	Between GV2 and contactor LC1-D09...D38	10	<b>GV2-AF3</b>	0.016
	Between GV2 mounted on LAD-31 and contactor LC1-D09...D38	10	<b>GV2-AF4</b>	0.016
<b>Motor starter adapter plate</b>	With 3-pole connection for mounting a GV2 and an LC1-D09 to D25 contactor	1	<b>GK2-AF01</b>	0.120
Description	Application	Pitch mm	Reference	Weight kg
<b>Sets of 3-pole 63 A busbars</b>	2 tap-offs	45	<b>GV2-G245</b>	0.036
		54	<b>GV2-G254</b>	0.038
		72	<b>GV2-G272</b>	0.042
	3 tap-offs	45	<b>GV2-G345</b>	0.058
		54	<b>GV2-G354</b>	0.060
		72	<b>GV2-G445</b>	0.077
	4 tap-offs	45	<b>GV2-G445</b>	0.077
		54	<b>GV2-G454</b>	0.085
		72	<b>GV2-G472</b>	0.094
	5 tap-offs	54	<b>GV2-G554</b>	0.100
Description	Application	Sold in lots of	Unit reference	Weight kg
<b>Protective end cover (1)</b>	For unused busbar outlets	5	<b>GV1-G10</b>	0.005
<b>Terminal blocks for supply to one or more GV2-G busbar sets</b>	Connection from the top	1	<b>GV1-G09</b>	0.040
	Can be fitted with current limiter GV1-L3 (GV2-ME and GV2-P)	1	<b>GV2-G05</b>	0.115
<b>Cover for terminal block</b>	For mounting in modular panels	10	<b>LA9-E07</b>	0.005
<b>Flexible 3-pole connection for connecting a GV2 to an LC1-D09...D25 contactor</b>	Centre distance between mounting rails: 100...120 mm	10	<b>GV1-G02</b>	0.013
<b>Set of connections upstream/downstream</b>	For connecting GV2-ME to a printed circuit board	10	<b>GV2-GA01</b>	0.045
<b>Clip-in marker holders (supplied with each circuit-breaker)</b>	For GV2-P, GV2-L, GV2-LE and GV2-RT (8 x 22 mm)	100	<b>LA9-D92 (1)</b>	0.001

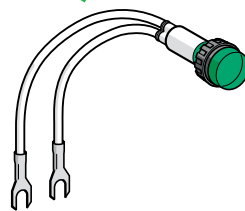
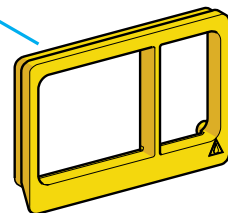
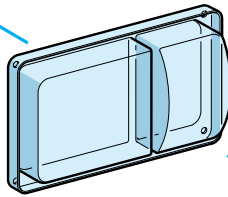
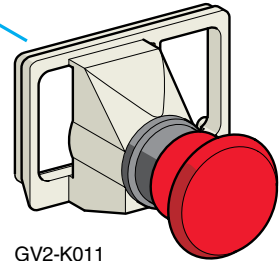
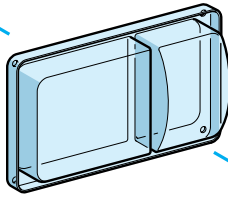
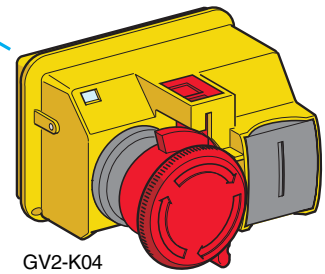
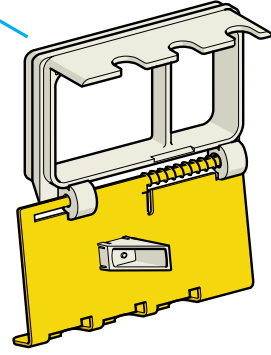
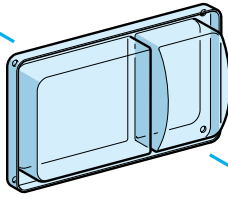
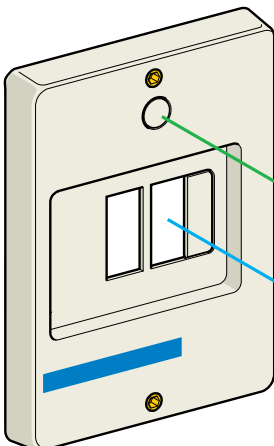
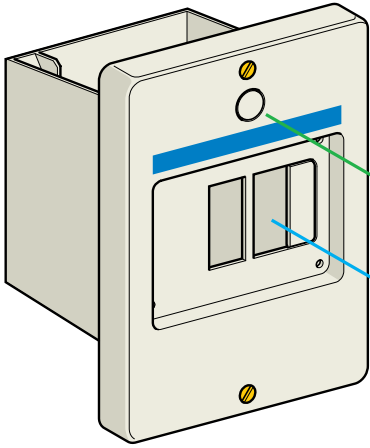
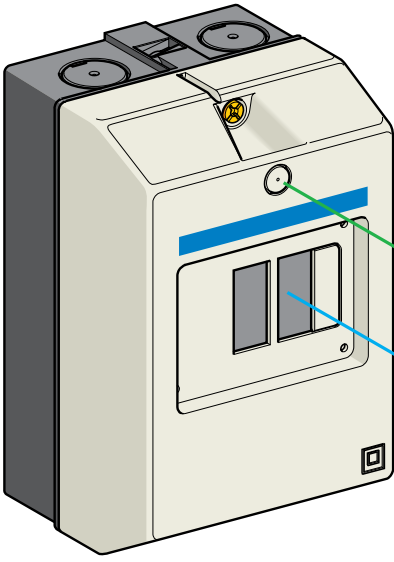
## Padlockable external operator

Description	Reference	Weight kg
For GV2-P and GV2-L (150 to 290 mm)	Padlocking in "On" and "Off" position Black handle, blue legend plate, IP 54	<b>GV2-AP01</b> 0.200
	Padlocking in "Off" position Red handle, yellow legend plate, IP 54	<b>GV2-AP02</b> 0.200
For GV2-LE	Padlocking in "On" and "Off" position Black handle, blue legend plate, IP 54	<b>GV2-AP03</b> 0.280

## Padlocking device

For all GV2 devices	For use with up to 6 padlocks (not supplied), Ø 6 mm shank max.	<b>GV2-V03</b>	0.130
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(1) Check with requirements of local Isolation standards before use.



GV2-SN



# TeSys circuit-breakers

Enclosed thermal-magnetic motor circuit-breakers  
type GV2-ME and accessories, assembled by user

## Enclosed thermal-magnetic motor circuit-breakers GV2-ME

Thermal-magnetic motor circuit-breakers and accessories: see pages 3/31 and 3/33.

The motor starter comprising an enclosed motor circuit-breaker GV2-ME conforms to IEC/EN 60947-4-1.

GV2- Ithe (A)	ME01	ME02	ME03	ME04	ME05	ME06	ME07	ME08	ME10	ME14	ME16	ME20	ME21	ME22
	0.16	0.25	0.4	0.63	1	1.6	2.5	4	6.3	9	13	17	21	23

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

Type	Degree of protection	Possible attachments on side of GV2-ME		Reference	Weight kg
		Left	Right		
<b>Surface mounting</b> Double, insulated with protective conductor. Sealable cover	IP 41	1	1	<b>GV2-MC01</b>	0.290
	IP 55	1	1	<b>GV2-MC02</b>	0.300
				or <b>GV2-MCK04 (1)</b>	0.420
IP 55 for temperature < + 5 °C	1	1	<b>GV2-MC03</b>	0.300	
<b>Flush, mounting</b> with protective conductor	IP 41 (front face)	1	1	<b>GV2-MP01</b>	0.115
	IP 41 (reduced flush mounting)	–	1	<b>GV2-MP03</b>	0.115
	IP 55 (front face)	1	1	<b>GV2-MP02</b>	0.130
	IP 55 (reduced flush mounting)	–	1	<b>GV2-MP04</b>	0.130

## Front plate

<b>For direct control</b> , through a panel of a chassis-mounted GV2-ME	IP 55	<b>GV2-CP21</b>	0.800
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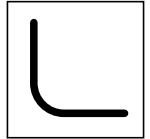
## Accessories common to all enclosures (to be ordered separately)

Description		Sold in lots of	Unit reference	Weight kg	
<b>Padlocking device (2)</b> for GV2-ME operator (padlocking is only possible in "O" position)	1 to 3 padlocks Ø 4 to 8 mm	1	<b>GV2-V01</b>	0.075	
<b>Mushroom head</b>	Spring return (2)	1	<b>GV2-K011</b>	0.052	
<b>"Stop" pushbutton</b> Ø 40 mm, red	Latching (2) IP 55	Key release key n° 455	1	<b>GV2-K021</b>	0.160
			1	<b>GV2-K031</b>	0.115
	Turn to release	1	<b>GV2-K04 (3)</b>	0.120	
<b>Sealing kit</b>	For enclosures and front plate	IP 55	10	<b>GV2-E01</b>	0.012
		IP 55 for $\theta < + 5$ °C	10	<b>GV2-E02</b>	0.012
<b>Neutral terminal</b>		100	<b>AB1-VV635UBL</b>	0.015	
<b>Partition</b>		50	<b>AB1-AC6BL</b>	0.003	
Description	Voltage V	Colour	Sold in lots of	Unit reference	Weight kg
<b>Neon indicator light</b>	110	Green	10	<b>GV2-SN13</b>	0.019
		Red	10	<b>GV2-SN14</b>	0.019
		Orange	10	<b>GV2-SN15</b>	0.019
		Clear	10	<b>GV2-SN17</b>	0.019
		Green	10	<b>GV2-SN23</b>	0.019
	220/240	Red	10	<b>GV2-SN24</b>	0.019
		Orange	10	<b>GV2-SN25</b>	0.019
		Clear	10	<b>GV2-SN27</b>	0.019
		Green	10	<b>GV2-SN33</b>	0.019
		Red	10	<b>GV2-SN34</b>	0.019
	380/440	Orange	10	<b>GV2-SN35</b>	0.019
		Clear	10	<b>GV2-SN37</b>	0.019

(1) The GV2-MCK04 enclosure has a GV2-K04 mushroom head Stop pushbutton fitted as standard.

(2) Supplied with IP 55 sealing kit. For use with GV2-M●01.

(3) Padlockable in "Off" position using Ø 4 to 8 mm shank padlocks.



GV2-L

## Magnetic circuit-breakers GV2-L with screw clamp terminals

## Rotary handle

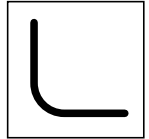
Standard power ratings

of 3-phase motors  
50/60 Hz in category AC-3  
400/415 V 500 V 690 V

P	Icu	Ics (1)	500 V			690 V			Magnetic protection rating	Trip- ping current I <sub>d</sub> ± 20 %	Use in association with thermal overload relay	Reference	Weigh t  kg
			P	Icu	Ics (1)	P	Icu	Ics (1)					
kW	kA		kW	kA		kW	kA		A	A			
0.09	★	★	-	-	-	-	-	-	0.4	5	LRD-03	GV2-L03	0.330
0.12	★	★	-	-	-	0.37	★	★	0.63	8	LRD-04	GV2-L04	0.330
0.18	★	★	-	-	-	-	-	-	0.63	8	LRD-04	GV2-L04	0.330
-	-	-	-	-	-	0.55	★	★	1	13	LRD-05	GV2-L05	0.330
0.25	★	★	-	-	-	-	-	-	1	13	LRD-05	GV2-L05	0.330
-	-	-	-	-	-	0.75	★	★	1	13	LRD-06	GV2-L05	0.330
0.37	★	★	0.37	★	★	-	-	-	1	13	LRD-05	GV2-L05	0.330
0.55	★	★	0.55								LRD-06	GV2-L06	0.330
-	-	-	0.75	★	★	-	-	-	1.6	22.5	LRD-06	GV2-L06	0.330
0.75	★	★	1.1	★	★	1.5	4	100	2.5	33.5	LRD-07	GV2-L07	0.330
1.1	★	★	-	-	-	-	-	-	2.5	33.5	LRD-08	GV2-L08	0.330
1.5	★	★	1.5	★	★	3	4	100		51	LRD-08	GV2-L08	0.330
-	-	-	2.2	★	★	-	-	-	4	51	LRD-08	GV2-L08	0.330
2.2	★	★	3	★	★	4	4	100	6.3	78	LRD-10	GV2-L10	0.330
3	★	★	4	10	100	5.5	4	100	10	138	LRD-12	GV2-L14	0.330
4	★	★	5.5	10	100	-	-	-	10	138	LRD-14	GV2-L14	0.330
-	-	-	-	-	-	7.5	4	100	10	138	LRD-14	GV2-L14	0.330
-	-	-	-	-	-	9	4	100	14	170	LRD-16	GV2-L16	0.330
5.5	50	50	7.5	10	75	11	4	100	14	170	LRD-16	GV2-L16	0.330
7.5	50	50	9	10	75	15	4	100	18	223	LRD-21	GV2-L20	0.330
9	50	50	11	10	75	18.5	4	100	25	327	LRD-22	GV2-L22	0.330
11	50	50	15	10	75	-	-	-	25	327	LRD-22	GV2-L22	0.330
15	50	50	18.5	10	75	22	4	100	32	416	LRD-32	GV2-L32	0.330

(1) As % of Icu.

★ &gt; 100 kA.



GV2-LE

## Magnetic circuit-breakers GV2-LE with screw clamp terminals

## Rocker lever

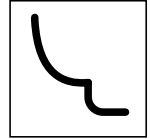
Standard power ratings									Magnetic	Trip-	Use in	Reference	Weight
of 3-phase motors									protection	ping	association		
50/60 Hz in category AC-3									rating	current	with		
400/415 V			500 V			690 V				ld ± 20 %	thermal		
P	Icu	Ics	P	Icu	Ics	P	Icu	Ics			overload		
		(1)			(1)			(1)			relay		
kW	kA		kW	kA		kW	kA		A	A			kg
0.06	★	★	-	-	-	-	-	-	0.4	5	LR2-K0302	<b>GV2-LE03</b>	0.330
0.09	★	★	-	-	-	-	-	-	0.4	5	LR2-K0304	<b>GV2-LE03</b>	0.330
0.12	★	★	-	-	-	0.37	★	★	0.63	8	LR2-K0304	<b>GV2-LE04</b>	0.330
0.18	★	★	-	-	-	-	-	-	0.63	8	LR2-K0305	<b>GV2-LE04</b>	0.330
-	-	-	-	-	-	0.55	★	★	1	13	LR2-K0305	<b>GV2-LE05</b>	0.330
0.25	★	★	-	-	-	-	-	-	1	13	LR2-K0306	<b>GV2-LE05</b>	0.330
-	-	-	-	-	-	0.75	★	★	1	13	LR2-K0306	<b>GV2-LE05</b>	0.330
0.37	★	★	0.37	★	★	-	-	-	1	13	LR2-K0306	<b>GV2-LE05</b>	0.330
0.55	★	★	0.55	★	★	1.1	★	★	1.6	22.5	LR2-K0307	<b>GV2-LE06</b>	0.330
-	-	-	0.75	★	★	-	-	-	1.6	22.5	LR2-K0307	<b>GV2-LE06</b>	0.330
0.75	★	★	1.1	★	★	1.5	3	75	2.5	33.5	LR2-K0308	<b>GV2-LE07</b>	0.330
1.1	★	★	-	-	-	-	-	-	2.5	33.5	LR2-K0308	<b>GV2-LE08</b>	0.330
1.5	★	★	1.5	★	★	3	3	75	4	51	LR2-K0310	<b>GV2-LE08</b>	0.330
-	-	-	2.2	★	★	-	-	-	4	51	LR2-K0312	<b>GV2-LE08</b>	0.330
2.2	★	★	3	50	100	4	3	75	6.3	78	LR2-K0312	<b>GV2-LE10</b>	0.330
3	★	★	4	10	100	5.5	3	75	10	138	LR2-K0314	<b>GV2-LE14</b>	0.330
4	★	★	5.5	10	100	-	-	-	10	138	LR2-K0316	<b>GV2-LE14</b>	0.330
-	-	-	-	-	-	7.5	3	75	10	138	LRD-14	<b>GV2-LE14</b>	0.330
-	-	-	-	-	-	9	3	75	14	170	LRD-16	<b>GV2-LE16</b>	0.330
5.5	15	50	7.5	6	75	11	3	75	14	170	LR2-K0321	<b>GV2-LE16</b>	0.330
7.5	15	50	9	6	75	15	3	75	18	223	LRD-21	<b>GV2-LE20</b>	0.330
9	15	40	11	4	75	18.5	3	75	25	327	LRD-22	<b>GV2-LE22</b>	0.330
11	15	40	15	4	75	-	-	-	25	327	LRD-22	<b>GV2-LE22</b>	0.330
15	10	50	18.5	4	75	22	3	75	32	416	LRD-32	<b>GV2-LE32</b>	0.330

(1) As % of Icu. TeSys protection components

★ &gt; 100 kA.

# TeSys circuit-breakers

Thermal magnetic circuit-breakers  
type GV2-RT (1)



GV2-RT

## For motors with high current peak on starting

### Control by rocker lever

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3					Setting range of thermal trips	Magnetic tripping current Id ± 20 %	Reference	Weight
220 V	400 V	415 V	440 V	500 V				
kW	kW	kW	kW	kW	A	A		kg
0.06	0.09	0.09	–	–	0.25...0.40	8	<b>GV2-RT03</b>	0.350
–	0.12	0.18	–	0.37	0.40...0.63	13	<b>GV2-RT04</b>	0.350
0.09	0.25	0.25	–	–	0.63...1	22	<b>GV2-RT05</b>	0.350
0.12	0.37	0.37	0.37	0.55	0.63...1	22	<b>GV2-RT05</b>	0.350
0.18	0.37	0.37	0.37	0.75	1...1.6	33	<b>GV2-RT06</b>	0.350
0.25	0.55	0.55	0.55	1.1	1...1.6	33	<b>GV2-RT06</b>	0.350
–	–	0.75	–	–	1.6...2.5	51	<b>GV2-RT07</b>	0.350
0.37	0.75	1.1	1.1	1.5	1.6...2.5	51	<b>GV2-RT07</b>	0.350
0.55	1.1	–	–	1.5	2.5...4	78	<b>GV2-RT08</b>	0.350
0.75	1.5	1.5	2.2	3	2.5...4	78	<b>GV2-RT08</b>	0.350
–	–	2.2	–	–	4...6.3	138	<b>GV2-RT10</b>	0.350
1.1	2.2	3	3	4	4...6.3	138	<b>GV2-RT10</b>	0.350
1.5	3	–	–	4	6...10	200	<b>GV2-RT14</b>	0.350
2.2	4	4	5.5	7.5	6...10	200	<b>GV2-RT14</b>	0.350
2.2	–	5.5	–	9	9...14	280	<b>GV2-RT16</b>	0.350
3	5.5	7.5	7.5	11	9...14	280	<b>GV2-RT16</b>	0.350
–	–	7.5	–	–	13...18	400	<b>GV2-RT20</b>	0.350
4	7.5	9	9	15	13...18	400	<b>GV2-RT20</b>	0.350
5.5	11	11	11	18.5	17...23	400	<b>GV2-RT21</b>	0.350

## For primaries of 3-phase transformers

### Control by rocker lever

Standard power ratings					Setting range of thermal trips	Magnetic tripping current Id ± 20 %	Reference	Weight
230 V	400 V	415 V	440 V	500 V				
kVA	kVA	kVA	kVA	kVA	A	A		kg
–	–	–	–	–	0.25...0.40	8	<b>GV2-RT03</b>	0.350
–	–	–	–	–	0.40...0.63	13	<b>GV2-RT04</b>	0.350
–	–	0.63	0.63	1	0.63...1	22	<b>GV2-RT05</b>	0.350
0.4	0.63	1	1	–	1...1.6	33	<b>GV2-RT06</b>	0.350
–	–	–	–	1.6	1...1.6	33	<b>GV2-RT06</b>	0.350
0.63	1	–	–	2	1.6...2.5	51	<b>GV2-RT07</b>	0.350
–	1.6	1.6	–	2	1.6...2.5	51	<b>GV2-RT07</b>	0.350
1	2	2	2.5	2.5	2.5...4	78	<b>GV2-RT08</b>	0.350
1.6	–	2.5	–	4	2.5...4	78	<b>GV2-RT08</b>	0.350
2	2.5	4	4	5	4...6.3	138	<b>GV2-RT10</b>	0.350
–	–	–	–	6.3	4...6.3	138	<b>GV2-RT10</b>	0.350
–	4	–	–	5	6...10	200	<b>GV2-RT14</b>	0.350
2.5	5	5	6.3	–	6...10	200	<b>GV2-RT14</b>	0.350
–	–	–	–	10	6...10	200	<b>GV2-RT14</b>	0.350
4	6.3	6.3	–	12.5	9...14	280	<b>GV2-RT16</b>	0.350
5	–	–	–	10	9...14	280	<b>GV2-RT16</b>	0.350
6.3	10	10	12.5	10	13...18	400	<b>GV2-RT20</b>	0.350

## Accessory (2)

Description	Reference	Weight
<b>Padlockable external operator</b> (IP 54), black handle, blue legend plate	<b>GV2-AP03</b>	0.280

(1) Characteristics of GV2-RT identical to those of GV2-ME except for tripping current (Id).

(2) Other accessories such as mounting, cabling and marking accessories are identical to those used for GV2-ME motor circuit-breakers, see page 3/39.