

TeSys Control

Enclosures for DOL starters / To be completed with ref. GV2ME, LC1K

Product references



LE1GVMEK, LE1GVMEKA59

Empty enclosures with sealing device

Composition	Reference
Insulating enclosure with GV2E01 sealing device	LE1GVMEK
Insulating enclosure with GV2E01 sealing device, neutral terminal	LE1GVMEKA59

Direct-on-line starters characteristics

(based on LE1GVMEK enclosure + GV2ME circuit breaker + LC1K contactor assemblies)

Functions / range / specificities:

- Circuit Isolation
- Protection against short circuit
- Motor protection: motor OFF in case of overload – manual reset with the black pushbutton.
- ON/OFF motor control
- Functions can be completed with optional components: remote control, signaling.

Enclosures characteristics:

- Conforming to IEC 60947-4-1 standard
- Degree of protection IP55 , according IEC 60529
- Ambient air temperature in operation -5 to +40°C
- Operating position: same as K series contactors
- Material: polycarbonate ⁽¹⁾.

■ 6 ratings of direct-on-line starters from 0.37 to 5.5 kW (400 V AC) can be realized, based the combinations of circuit breaker + contactor to be ordered separately:

- GV2ME thermal magnetic circuit breaker, of the required rating (see below)
- LC1K contactor, of the required rating (see below)
- optional accessories (indicating light, On pushbutton, sealing kit...).

Circuit breakers + contactors - Type 1 coordination ⁽²⁾

Standard power ratings of 3-phase motors 50/60 Hz in AC-3			Setting range of thermal trips	Fixed magnetic current 13 Irth	For customer assembly	
400/415 V	440 V	500 V			Motor circuit breaker Reference	Contactor Reference to be completed with the coil voltage code ⁽³⁾
kW	kW	kW	A	A		
0.37	0.37	0.37	1...1.6	22.5	GV2ME06	LC1K0610●●
0.55	0.55	0.55	-	-	-	-
-	-	0.75	-	-	-	-
0.75	0.75	-	1.6...2.5	33.5	GV2ME07	LC1K0610●●
-	1.1	1.1	-	-	-	-
1.1	-	1.5	2.5...4	51	GV2ME08	LC1K0610●●
1.5	1.5	2.2	-	-	-	-
2.2	2.2	-	4...6.3	78	GV2ME10	LC1K0610●●
-	3	3	-	-	-	-
3	-	4	6...10	138	GV2ME14	LC1K0910●●
4	4	5.5	-	-	-	-
5.5	5.5	7.5	9...14	170	GV2ME16	LC1K1210●●

Coil voltage codes

Volts	24	110	220/230	230	230/240	380/400
~ 50/60 Hz	B7	F7	M7	P7	U7	Q7
---	BW3	-	-	-	-	-

BW3 coil: low consumption (1.5 W), wide range (0.7...1.3 Uc) with integral suppression device as standard.

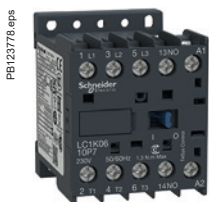
⁽¹⁾ Avoid placing this material in contact with harsh substances (detergents, chlorine solvents, ketones, alcohol, aromatic hydrocarbons).

⁽²⁾ Extract from Coordination tables see chapter A6.

⁽³⁾ Please check the availability of your variant in the index page A1/34. The SEARCH function of your viewer can be used.



GV2ME●●



LC1K0610●●



TeSys Control

Deca circuit breakers ref. GV2ME, undervoltage trips

Product references

Enclosed starters

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GV2ME●●

Thermal magnetic circuit breakers, with screw clamp terminals

GV2ME with pushbutton control

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 ± 20 %	Reference
400/415 V			500 V			690 V					
P	I _{cu}	I _{cs} (1)	P	I _{cu}	I _{cs} (1)	P	I _{cu}	I _{cs} (1)			
kW	kA	%	kW	kA	%	kW	kA	%	A	A	
–	–	–	–	–	–	–	–	–	0.1...0.16	1.5	GV2ME01
0.06	*	*	–	–	–	–	–	–	0.16...0.25	2.4	GV2ME02
0.09	*	*	–	–	–	–	–	–	0.25...0.40	5	GV2ME03
0.12	*	*	–	–	–	0.37	*	*	0.40...0.63	8	GV2ME04
0.18	*	*	–	–	–	–	–	–			
0.25	*	*	–	–	–	0.55	*	*	0.63...1	13	GV2ME05
0.37	*	*	0.37	*	*	–	–	–	1...1.6	22.5	GV2ME06
0.55	*	*	0.55	*	*	0.75	*	*			
–	–	–	0.75	*	*	1.1	*	*			
0.75	*	*	1.1	*	*	1.5	3	75	1.6...2.5	33.5	GV2ME07
1.1	*	*	1.5	*	*	2.2	3	75	2.5...4	51	GV2ME08
1.5	*	*	2.2	*	*	3	3	75			
2.2	*	*	3	50	100	4	3	75	4...6.3	78	GV2ME10
3	*	*	4	10	100	5.5	3	75	6...10	138	GV2ME14
4	*	*	5.5	10	100	7.5	3	75			
5.5	15	50	7.5	6	75	9	3	75	9...14	170	GV2ME16
–	–	–	–	–	–	11	3	75			
7.5	15	50	9	6	75	15	3	75	13...18	223	GV2ME20
9	15	40	11	4	75	18.5	3	75	17...23	327	GV2ME21
11	15	40	15	4	75	–	–	–	20...25	327	GV2ME22 (3)

GV2ME technical characteristics: see in chapter B6.

Undervoltage trip, INRS (can only be mounted on GV2ME)

Safety device for dangerous machines conforming to INRS and VDE0113

Side (1 block on RH side of circuit breaker GV2 ME)	Voltage	Frequency	Reference
110...115 V	50 Hz	GVAX115	
	60 Hz	GVAX116	
	127 V	60 Hz	GVAX115
220...240 V	50 Hz	GVAX225	
	60 Hz	GVAX226	
380...400 V	50 Hz	GVAX385	
	60 Hz	GVAX386	
415...440 V	50 Hz	GVAX415	
	60 Hz	GVAX385	

GVAX technical characteristics: see in chapter B6.

(1) As % of I_{cu}.

(2) The thermal trip setting must be within the range marked on the graduated knob.

(3) Maximum rating which can be mounted in enclosures GV2MC or MP, please consult your Regional Sales Office.

* > 100 kA.

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GVAX●●●

TeSys Control

Direct-on-line starters - with overload protection - up to 5.5 kW

Product references

D.O.L. starters, non-reversing, from 0.37 to 4 kW at 400/415 V, type 1 coordination

This pre-assembled combination comprises:

- 1 motor circuit breaker GV2ME,
- 1 3-pole contactor LC1K,
- 1 combination block GV2AF01.

Open motor starters

Characteristics

Starter type		GV2	ME06K1	ME07K1	ME08K1	ME10K1	ME14K1
Breaking capacity (I _q) ⁽¹⁾	Conforming to IEC 60947-4-1	400/415 V	kA	50	50	50	50
		440 V	kA	50	50	50	15
		500 V	kA	50	50	50	10 (4 kW) 6 (5.5 kW)

References



GV2ME08K1●●

D.O.L. starters, non-reversing

Standard power ratings of 3-phase motors 50/60 Hz in AC-3			Setting range of thermal trips	Fixed magnetic tripping current 13 Irth	For customer assembly		Pre-assembled	Weight
400/415 V	440 V	500 V			Motor circuit-breaker Reference	Contactor Reference to be completed ⁽²⁾		
0.37	0.37	0.37	1...1.6	22.5	GV2ME06	LC1K06	GV2ME06K1●●	0.460
0.55	0.55	0.55						
–	–	0.75						
0.75	0.75	–	1.6...2.5	33.5	GV2ME07	LC1K06	GV2ME07K1●●	0.460
–	1.1	1.1						
1.1	–	1.5	2.5...4	51	GV2ME08	LC1K06	GV2ME08K1●●	0.460
1.5	1.5	2.2						
2.2	2.2	–	4...6.3	78	GV2ME10	LC1K06	GV2ME10K1●●	0.460
–	3	3						
3	–	4	6...10	138	GV2ME14	LC1K09	GV2ME14K1●●	0.460
4	4	5.5						

Add-on blocks

Description	Sold in lots of	Unit reference
Combination block between circuit breaker and contactor	10	GV2AF01

⁽¹⁾ The breaking performance of circuit breakers GV2ME can be increased by adding a current limiter GV1L3, see page B6/21.

⁽²⁾ Please consult your Regional Sales Office.

⁽³⁾ Please check the availability of your variant in the index page A2/16. The SEARCH function of your viewer can be used.

Volts	24	110	220/230	230	230/240	380/400
~ 50/60 Hz	B7	F7	M7	P7	U7	Q7
☰ ⁽⁴⁾	BW3	–	–	–	–	–

⁽⁴⁾ Coil: low consumption (1.5 W), wide range (0.7...1.3 Uc) with integral suppression device as standard.

D.O.L. starters, reversing, from 0.37 to 4 kW at 400/415 V, type 1 coordination

This pre-assembled combination comprises:

- 1 motor circuit breaker GV2ME,
- 1 3-pole reversing contactor LC2K,
- 1 combination block GV2AF01.

Characteristics

Starter type	GV2	ME06K2	ME07K2	ME08K2	ME10K2	ME14K2
Breaking capacity (I _q) ⁽¹⁾ Conforming to IEC 60947-4-1	400/415 V	kA	50	50	50	50
	440 V	kA	50	50	50	15
	500 V	kA	50	50	50	10 (4 kW) 6 (5.5 kW)

References



D.O.L. starters, reversing

Standard power ratings of 3-phase motors 50/60 Hz in AC-3			Setting range of thermal trips	Fixed magnetic tripping current 13 Irth	For customer assembly		Pre-assembled	Weight
400/415 V	440 V	500 V			Motor circuit-breaker Reference	Contactors Reference to be completed ⁽²⁾		
0.37	0.37	0.37	1...1.6	22.5	GV2ME06	LC2K06	GV2ME06K2●●	0.460
0.55	0.55	0.55						
–	–	0.75						
0.75	0.75	–	1.6...2.5	33.5	GV2ME07	LC2K06	GV2ME07K2●●	0.460
–	1.1	1.1						
1.1	–	1.5	2.5...4	51	GV2ME08	LC2K06	GV2ME08K2●●	0.460
1.5	1.5	2.2						
2.2	2.2	–	4...6.3	78	GV2ME10	LC2K06	GV2ME10K2●●	0.460
–	3	3						
3	–	4	6...10	138	GV2ME14	LC2K09	GV2ME14K2●●	0.460
4	4	5.5						

Add-on blocks

Description	Sold in lots of	Unit reference
Combination block between circuit breaker and contactor	10	GV2AF01

⁽¹⁾ The breaking performance of circuit breakers GV2ME can be increased by adding a current limiter GV1L3, see page B6/21.

⁽²⁾ Please consult your Regional Sales Office.

⁽³⁾ Please check the availability of your variant in the index page A2/16. The SEARCH function of your viewer can be used.

Volts	24	110	220/230	230	230/240	380/400
~ 50/60 Hz	B7	F7	M7	P7	U7	Q7
⋯ ⁽⁴⁾	BW3	–	–	–	–	–

⁽⁴⁾ Coil: low consumption (1.5 W), wide range (0.7...1.3 U_c) with integral suppression device as standard.

Note: The combinations are valid for IE2 motors and IE3 with maximum starting current = 7.5 x motor rating current (see pages A5/4 and A5/5).



D.O.L. starters, reversing, from 0.12 to 15 kW at 400/415 V, type 1 coordination

This pre-assembled combination comprises:

- 1 motor circuit breaker GV2 ME,
- 1 3-pole reversing contactor LC2 D,
- 1 combination block GV2AF3.

Characteristics

Starter type	GV2	DM202 to DM210	DM214	DM216	DM220	DM221	DM222	DM232	
Breaking capacity (I _q) ⁽¹⁾	Conforming to IEC 60947-4-1	400/415 V	kA	50	50	15	15	15	10
		440 V	kA	50	15	8	8	6	6
		500 V	kA	50	10	6	6	4	4

References

D.O.L. starters, reversing⁽²⁾

Standard power ratings of 3-phase motors 50/60 Hz in AC-3			Setting range of thermal trips	Fixed magnetic tripping current 13 Irth	For customer assembly		Pre-assembled	Weight
400/415V	440 V	500 V			Motor circuit-breaker Reference	Contactor Reference to be completed ⁽³⁾		
kW	kW	kW	A	A				kg
0.12	–	–	0.40...0.63	8	GV2ME04	LC2D09●●	GV2DM204●●	0.963
0.18	0.18	–						
0.25	0.25	–	0.63...1	13	GV2ME05	LC2D09●●	GV2DM205●●	0.963
0.37	0.37	–						
–	–	0.37	1...1.6	22.5	GV2ME06	LC2D09●●	GV2DM206●●	0.963
0.55	0.55	0.55						
–	–	0.75						
1.1	–	1.5	2.5...4	51	GV2ME08	LC2D09●●	GV2DM208●●	0.963
1.5	1.5	2.2						
9	11	11	17...23	327	GV2ME21	LC2D25●●	GV2DM221●●	1.063
15	15	18.5	24...32	416	GV2ME32	LC2D32●●	GV2DM232●●	1.073

Add-on blocks

Description	Mounting of GV2	Sold in lots of	Unit reference
Combination block between circuit breaker and contactor	┌ rail	10	GV2AF3
	Mounting plate LAD 311	10	GV2AF4

(1) The breaking performance of circuit breakers GV2ME can be increased by adding a current limiter GV1L3, see page B6/21.

(2) Type 2 coordination also possible, see page B6/21.

(3) See page B8/22.

(4) Standard control circuit voltages (for other voltages, please consult your Regional Sales Office):

Volts	24	220	230
~ 50/60 Hz	B7	M7	P7
--- ⁽⁶⁾	BD	–	–

(5) Please check the availability of your variant in the index page A2/16. The SEARCH function of your viewer can be used.

(6) Coil with integral suppression device as standard.

Note: The combinations are valid for IE2 motors and IE3 with maximum starting current = 7.5 x motor rating current (see pages A5/4 and A5/5).



GV2DM202●●

Open motor starters



0.06 to 250 kW at 400/415 V: type 1 coordination											
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3									Circuit breaker		Contactor
400/415 V			440 V			500 V			Reference	Setting range	Reference ⁽²⁾
P	I _e	I _q ⁽¹⁾	P	I _e	I _q ⁽¹⁾	P	I _e	I _q ⁽¹⁾	References in italics are available in CEE zone only	of thermal trips	
kW	A	kA	kW	A	kA	kW	A	kA		A	
0.06	0.2	50	0.06	0.19	50	–	–	–	GV2ME02 <i>GV2ME02AP</i>	0.16...0.25	LC1K06 or LC1D09
0.09	0.3	50	0.09 0.12	0.28 0.37	50 50	–	–	–	GV2ME03 <i>GV2ME03AP</i>	0.25...0.40	LC1K06 or LC1D09
0.12 0.18	0.44 0.6	50 50	– 0.18	– 0.55	– 50	–	–	–	GV2ME04 <i>GV2ME04AP</i>	0.40...0.63	LC1K06 or LC1D09
0.25 0.37	0.85 1.1	50 50	0.25 0.37	0.76 0.99	50 50	–	–	–	GV2ME05 <i>GV2ME05AP</i>	0.63...1	LC1K06 or LC1D09
–	–	–	–	–	–	0.37	0.88	50	GV2ME06 <i>GV2ME06AP</i>	1...1.6	LC1K06 or LC1D09
0.55	1.5	50	0.55	1.36	50	0.55	1.2	50	GV2ME06 <i>GV2ME06AP</i>	1...1.6	LC1K06 or LC1D09
–	–	–	–	–	–	0.75	1.5	50	GV2ME06 <i>GV2ME06AP</i>	1...1.6	LC1K06 or LC1D09
0.75	1.9	50	0.75	1.68	50	–	–	–	GV2ME07 <i>GV2ME07AP</i>	1.6...2.5	LC1K06 or LC1D09
–	–	–	1.1	2.37	50	1.1	2.2	50	GV2ME07 <i>GV2ME07AP</i>	1.6...2.5	LC1K06 or LC1D09
1.1 1.5	2.7 3.6	50 50	– 1.5	– 3.06	– 50	1.5 2.2	2.9 3.9	50 50	GV2ME08 <i>GV2ME08AP</i>	2.5...4	LC1K06 or LC1D09
2.2	4.9	50	2.2	4.42	50	–	–	–	GV2ME10 <i>GV2ME10AP</i>	4...6.3	LC1K06 or LC1D09
–	–	–	3	5.77	50	3	5.2	50	GV2ME10 <i>GV2ME10AP</i>	4...6.3	LC1K06 or LC1D09
3 4	6.5 8.5	50 50	– 4	– 7.9	– 15	4 5.5	6.8 9.2	10 10	GV2ME14 <i>GV2ME14AP</i>	6...10	LC1K09 or LC1D09
5.5	11.5	15	5.5	10.4	8	7.5	12.4	6	GV2ME16 <i>GV2ME16AP</i>	9...14	LC1K12 or LC1D12
7.5	15.5	15	7.5	13.7	8	9	13.9	6	GV2ME20 <i>GV2ME20AP</i>	13...18	LC1D18
–	–	–	9	16.9	8	–	–	–	GV2ME20 <i>GV2ME20AP</i>	13...18	LC1D18
9	18.1	15	11	20.1	6	11	17.6	4	GV2ME21 <i>GV2ME21AP</i>	17...23	LC1D25
11	22	15	–	–	–	15	23	4	GV2ME22 <i>GV2ME22AP</i>	20...25	LC1D25
15	29	10	15	26.5	6	18.5	28	4	GV2ME32 <i>GV2ME32AP</i>	24...32	LC1D32
18.5	35	50	18.5	32.8	50	22	33	10	GV3P40	30...40	LC1D40A
22	41	50	22	39	50	30	44	10	GV3P50	37...50	LC1D50A
30	55	50	30	51.5	50	37	53	10	GV3P65	48...65	LC1D65A
37	66	50	–	–	–	–	–	–	GV3P73	62...73	LC1D80A
–	–	–	37	64	70	45	64	30	GV4P80	40...80	LC1D65A
37	66	100	45	76	70	55	78	30	GV4P80	40...80	LC1D80
45	80	100	–	–	–	–	–	–	GV4P115	65...115	LC1D95
55	97	100	55	90	70	75	106	30	GV4P115	65...115	LC1D115
75	132	36	75	125	35	90	128	30	GV5P150F	70...150	LC1D150
–	–	–	90	146	35	–	–	–	⁽³⁾	–	⁽³⁾
90	160	36	–	–	–	110	156	30	⁽³⁾	–	⁽³⁾
110	195	36	–	–	–	–	–	–	⁽³⁾	–	⁽³⁾
160	280	36	318	280	35	–	–	–	⁽³⁾	–	⁽³⁾
–	–	–	–	–	–	220	308	30	⁽³⁾	–	⁽³⁾
200	350	36	220	318	35	–	–	–	⁽³⁾	–	⁽³⁾
250	430	36	250	401	35	335	460	30	⁽³⁾	–	⁽³⁾

⁽¹⁾ The breaking performance of circuit breakers **GV2ME** can be increased by adding a current limiter **GV1L3**.

⁽²⁾ For reversing operation, replace the prefix **LC1** with **LC2**.

⁽³⁾ Please consult your regional sales office.

0.06 to 250 kW at 400/415 V: type 2 coordination											
Standard power ratings of 3-phase motors 50/60 Hz in categ or y AC-3									Circuit breaker	Setting range of thermal trips	Contactor Reference ⁽²⁾
400/415 V			440 V			500 V			Reference <i>References in italics are available in CEE zone only</i>	A	
P	I _e	I _q ⁽¹⁾	P	I _e	I _q ⁽¹⁾	P	I _e	I _q ⁽¹⁾			
kW	A	kA	kW	A	kA	kW	A	kA			
0.06	0.2	130	0.06	0.19	130	–	–	–	GV2P02 or GV2ME02 or GV2ME02AP	0.16...0.25	LC1D09
–	–	–	0.09	0.28	130	–	–	–	GV2P03 or GV2ME03 or GV2ME03AP	0.25...0.4	LC1D09
0.09	0.3	130	0.12	0.37	130	–	–	–	GV2P04 or GV2ME04 or GV2ME04AP	0.4...0.63	LC1D09
0.12	0.44	130	–	–	–	–	–	–	GV2P05 or GV2ME05 or GV2ME05AP	0.63...1	LC1D09
0.18	0.6	130	0.18	0.55	130	–	–	–	GV2P06 or GV2ME06 or GV2ME06AP	1...1.6	LC1D09
0.25	0.85	130	0.25	0.76	130	–	–	–	GV2P06 or GV2ME06 or GV2ME06AP	1...1.6	LC1D09
0.37	1.1	130	0.37	0.99	130	–	–	–	GV2P07 or GV2ME07 or GV2ME07AP	1.6...2.5	LC1D09
–	–	–	–	–	–	0.37	0.88	130	GV2P08 or GV2ME08 or GV2ME08P	2.5...4	LC1D09
0.55	1.5	130	0.55	1.36	130	0.55	1.2	130	GV2P10 or GV2ME10 or GV2ME10AP	4...6.3	LC1D09
–	–	–	–	–	–	0.75	1.5	130	GV2ME10 or GV2ME10AP	4...6.3	LC1D09
0.75	1.9	130	0.75	1.68	130	–	–	–	GV2P10	4...6.3	LC1D09
–	–	–	1.1	2.37	130	1.1	2.2	130	GV2P14 or GV2ME14 or GV2ME14AP	6...10	LC1D09
1.1	2.7	130	–	–	–	1.5	2.9	130	GV2ME14 or GV2ME14AP	6...10	LC1D09
1.5	3.6	130	1.5	3.06	130	2.2	3.9	130	GV2P14	6...10	LC1D12
–	–	–	–	–	–	–	–	–	GV2P16 or GV2ME16 or GV2ME16AP	9...14	LC1D25
2.2	4.9	130	–	–	–	–	–	–	GV2P20 or GV2ME20 or GV2ME20AP	13...18	LC1D25
–	–	–	2.2	4.42	50	–	–	–	GV2P21 or GV2ME21 or GV2ME21AP	17...23	LC1D25
–	–	–	3	5.77	50	3	5.2	50	GV2P22 or GV2ME22 or GV2ME22AP	20...25	LC1D25
–	–	–	2.2	4.42	130	–	–	–	GV2P22	20...25	LC1D32
–	–	–	3	5.77	130	3	5.2	130	GV2P32 or GV2ME32 or GV2ME32AP	24...32	LC1D32
3	6.5	130	–	–	–	–	–	–	GV3P40	30...40	LC1D50A
4	8.5	130	–	–	–	–	–	–	GV3P40	30...40	LC1D65A
–	–	–	4	7.9	15	4	6.8	10	GV3P50	37...50	LC1D50A
–	–	–	–	–	–	5.5	9.2	10	GV3P50	37...50	LC1D65A
–	–	–	–	–	–	4	7.9	130	GV3P65	48...65	LC1D65A
–	–	–	–	–	–	4	6.8	50	GV3P65	48...65	LC1D65A
–	–	–	–	–	–	5.5	9.2	50	GV3P73	62...73	LC1D80A
5.5	11.5	130	5.5	10.4	50 or 8	7.5	12.4	42 or 6	GV4P80	40...80	LC1D65A
–	–	–	7.5	13.7	50 or 8	9	13.9	42 or 6	GV4P80	40...80	LC1D80
7.5	15.5	50 or 15	9	16.9	20 or 8	–	–	–	GV4P115	65...115	LC1D115
9	18.1	50 or 15	11	20.1	20 or 8	11	17.6	10 or 6	GV5P150H	70...150	LC1D150
11	22	50 or 15	–	–	–	–	–	–			
–	–	–	–	–	–	15	23	10 or 6			
15	29	50 or 10	15	26.5	20 or 6	18.5	28	10 or 4			
18.5	35	50	–	–	–	–	–	–			
–	–	–	18.5	32.8	50	22	33	10			
22	41	50	–	–	–	–	–	–			
–	–	–	22	39	50	30	44	10			
30	55	50	30	51.5	50	–	–	–			
–	–	–	–	–	–	37	53	10			
37	66	50	–	–	–	–	–	–			
–	–	–	37	64	70	–	–	–			
37	66	100	45	76	70	⁽³⁾	⁽³⁾	⁽³⁾			
45	80	100	55	90	70	⁽³⁾	⁽³⁾	⁽³⁾			
55	97	100	–	–	–	⁽³⁾	⁽³⁾	⁽³⁾			
75	132	70	75	125	65	–	–	–			
–	–	–	90	146	65	–	–	–			

(1) The breaking performance of circuit breakers GV2P can be increased by adding a current limiter GV1L3.

(2) Combinations with circuit breaker GV2ME are type 2 coordinated only at 400/415 V and 440 V.

(3) Please consult your regional sales office.



GV2ME

Motor circuit breakers from 0.06 to 15 kW / 400 V, with screw clamp terminals

Deca - Frame 2 (ref. GV2ME) with pushbutton control

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 ± 20 %	Reference
400/415 V			500 V			690 V					
P	I _{cu}	I _{cs} (1)	P	I _{cu}	I _{cs} (1)	P	I _{cu}	I _{cs} (1)			
kW	kA	%	kW	kA	%	kW	kA	%	A	A	
-	-	-	-	-	-	-	-	-	0.1...0.16	1.5	GV2ME01
0.06	*	*	-	-	-	-	-	-	0.16...0.25	2.4	GV2ME02
0.09	*	*	-	-	-	-	-	-	0.25...0.40	5	GV2ME03
0.12	*	*	-	-	-	0.37	*	*	0.40...0.63	8	GV2ME04
0.18	*	*	-	-	-	-	-	-			
0.25	*	*	-	-	-	0.55	*	*	0.63...1	13	GV2ME05
0.37	*	*	0.37	*	*	-	-	-	1...1.6	22.5	GV2ME06
0.55	*	*	0.55	*	*	0.75	*	*			
-	-	-	0.75	*	*	1.1	*	*			
0.75	*	*	1.1	*	*	1.5	3	75	1.6...2.5	33.5	GV2ME07
1.1	*	*	1.5	*	*	2.2	3	75	2.5...4	51	GV2ME08
1.5	*	*	2.2	*	*	3	3	75			
2.2	*	*	3	50	100	4	3	75	4...6.3	78	GV2ME10
3	*	*	4	10	100	5.5	3	75	6...10	138	GV2ME14
4	*	*	5.5	10	100	7.5	3	75			
5.5	15	50	7.5	6	75	9	3	75	9...14	170	GV2ME16
-	-	-	-	-	-	11	3	75			
7.5	15	50	9	6	75	15	3	75	13...18	223	GV2ME20
9	15	40	11	4	75	18.5	3	75	17...23	327	GV2ME21
11	15	40	15	4	75	-	-	-	20...25	327	GV2ME22 (3)
15	10	50	18.5	4	75	22	3	75	24...32	416	GV2ME32

Motor circuit breakers from 0.06 to 15 kW / 400 V, with lugs

To order thermal magnetic circuit breakers with connection by lugs, add the digit **6** to the end of reference selected above.

Example: ref. **GV2ME08** becomes **GV2ME086**.

Thermal magnetic circuit breakers GV2ME with built-in auxiliary contact block

With instantaneous auxiliary contact block (composition, see page B6/21):

- GVAE1, add suffix **AE1TQ** to the motor circuit breaker reference selected above.
Example: **GV2ME01AE1TQ**.
- GVAE11, add suffix **AE11TQ** to the motor circuit breaker reference selected above.
Example: **GV2ME01AE11TQ**.
- GVAN11, add suffix **AN11TQ** to the motor circuit breaker reference selected above.
Example: **GV2ME01AN11TQ**.

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

(1) As % of I_{cu}.

(2) The thermal trip setting must be within the range marked on the graduated knob.

(3) Maximum rating which can be mounted in enclosures **GV2MC** or **MP**, please consult your Regional Sales Office.

* > 100 kA.



Motor
circuit
breakers

TeSys Power

Deca - Frame 2 Motor circuit breakers - Thermal-magnetic

Product references - UL applications

PB1216731R



GV2ME

Motor circuit breakers from 3/4 to 20 HP / 460 V, with screw clamp terminals										
Deca - Frame 2 (ref. GV2ME) with pushbutton control										
Thermal setting (A)	Maximum Horsepower ratings								Group Motor applications Max. Fuse or Circuit breaker (A)	Reference
	Single-Phase			Three-Phase						
	115 V	200 V	230 V	115 V	200 V	230 V	460 V	575 V		
0.1...0.16	-	-	-	-	-	-	-	-	450	GV2ME01
0.16...0.25	-	-	-	-	-	-	-	-	450	GV2ME02
0.25...0.40	-	-	-	-	-	-	-	-	450	GV2ME03
0.40...0.63	-	-	-	-	-	-	-	-	450	GV2ME04
0.63...1	-	-	-	-	-	-	-	1/2	450	GV2ME05
1...1.6	-	-	1/10	-	-	-	3/4	3/4	450	GV2ME06
1.6...2.5	-	1/6	1/6	-	1/2	1/2	1	1.5	450	GV2ME07
2.5...4	1/8	1/4	1/3	-	3/4	3/4	2	3	450	GV2ME08
4...6.3	1/4	1/2	1/2	3/4	1	1.5	3	5	450	GV2ME10
6...10	1/2	1	1.5	1	2	3	5	7.5	450	GV2ME14
9...14	3/4	2	2	2	3	3	10	10	450	GV2ME16
13...18	1	2	3	2	5	5	10	15	450	GV2ME20
17...23	1.5	3	3	3	5	7.5	15	20	450	GV2ME21
20...25	2	-	-	-	7.5	7.5	15	20	450	GV2ME22
24...32	2	5	5	5	7.5	10	20	25	450	GV2ME32



Motor circuit breakers