

**0.06 to 110 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 of thermal trips	Reference (2)
P	I <sub>e</sub>	I <sub>q</sub> (1)	P	I <sub>e</sub>	I <sub>q</sub> (1)	P	I <sub>e</sub>	I <sub>q</sub> (1)		A	
kW	A	kA	kW	A	kA	kW	A	kA			
0.06	0.22	50	0.06	0.19	50	–	–	–	GV2 ME02	0.16...0.25	LC1 K06 or LC1 D09
			0.09	0.28	50						
0.09	0.36	50	0.12	0.37	50	–	–	–	GV2 ME03	0.25...0.40	LC1 K06 or LC1 D09
0.12	0.42	50	–	–	–	–	–	–			
0.18	0.6	50	0.18	0.55	50	–	–	–	GV2 ME04	0.40...0.63	LC1 K06 or LC1 D09
0.25	0.88	50	0.25	0.76	50						
0.37	0.98	50	0.37	0.99	50				GV2 ME05	0.63...1	LC1 K06 or LC1 D09
–	–	–	–	–	–	0.37	1	50			
0.55	1.5	50	0.55	1.36	50	0.55	1.21	50	GV2 ME06	1...1.6	LC1 K06 or LC1 D09
–	–	–	–	–	–	0.75	1.5	50	GV2 ME06	1...1.6	LC1 K06 or LC1 D09
0.75	2	50	0.75	1.68	50	–	–	–			
–	–	–	1.1	2.37	50	1.1	2	50	GV2 ME07	1.6...2.5	LC1 K06 or LC1 D09
1.1	2.5	50	–	–	–	1.5	2.6	50			
1.5	3.5	50	1.5	3.06	50	2.2	3.8	50	GV2 ME08	2.5...4	LC1 K06 or LC1 D09
2.2	5	50	2.2	4.42	50	–	–	–			
–	–	–	3	5.77	50	3	5	50	GV2 ME10	4...6.3	LC1 K06 or LC1 D09
3	6.5	50	–	–	–	4	6.5	10			
4	8.4	50	4	7.9	15	5.5	9	10	GV2 ME14	6...10	LC1 K09 or LC1 D09
5.5	11	15	5.5	10.4	8	7.5	12	6	GV2 ME16	9...14	LC1 K12 or LC1 D12
7.5	14.8	15	7.5	13.7	8	9	13.9	6			
–	–	–	9	16.9	8	–	–	–	GV2 ME20	13...18	LC1 D18
9	18.1	15	11	20.1	6	11	18.4	4	GV2 ME21	17...23	LC1 D25
11	21	15	–	–	–	15	23	4	GV2 ME22	20...25	LC1 D25
15	28.5	10	15	26.5	6	18.5	28.5	4	GV2 ME32	24...32	LC1 D32
18.5	35	50	18.5	32.8	50	–	–	–	GV3 P40	30...40	LC1 D38
–	–	–	22	39	50	22	33	50	GV3 P40	30...40	LC1 D40
22	42	50	–	–	–	30	45	50	GV3 P50	37...50	LC1 D50
30	57	50	30	51.5	50	37	55	50	GV3 P65	48...65	LC1 D65
–	–	–	37	64	25	45	65	18	GV7 RE80	48...80	LC1 D65
37	69	15	45	76	10	55	80	4	GV3 ME80	56...80	LC1 D80
37	69	25	45	76	25	55	80	18	GV7 RE80	48...80	LC1 D80
45	81	25	–	–	–	–	–	–	GV7 RE100	60...100	LC1 D95
–	–	–	50	90	25	–	–	–	GV7 RE100	60...100	LC1 D115
55	100	25	–	–	–	75	105	30	GV7 RE150	90...150	LC1 D115
75	135	35	75	125	35	90	129	30	GV7 RE150	90...150	LC1 D150
–	–	–	90	146	35	–	–	–	GV7 RE150	90...150	LC1 F185
90	165	35	–	–	–	110	156	30	GV7 RE220	132...220	LC1 F185
–	–	–	–	–	–	132	187	30			
–	–	–	110	178	35	160	220	30	GV7 RE220	132...220	LC1 F265
110	200	35	132	215	35	–	–	–	GV7 RE220	132...220	LC1 F225

(1) The breaking performance of circuit-breakers **GV2 ME** can be increased by adding a current limiter **GV1 L3**, see page 24509/5.

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

**0.06 to 110 kW at 400/415 V: type 2 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 (2)	Setting range of thermal trips	Reference (3)
P	le	Iq (1)	P	le	Iq (1)	P	le	Iq (1)	A		
kW	A	kA	kW	A	kA	kW	A	kA			
0.06	0.22	130	0.06	0.19	130	–	–	–	GV2 P02 or GV2 ME02	0.16...0.25	LC1 D09
–	–	–	0.09	0.28	130	–	–	–	–	–	–
0.09	0.36	130	0.12	0.37	130	–	–	–	GV2 P03 or GV2 ME03	0.25...0.4	LC1 D09
0.12	0.42	130	–	–	–	–	–	–	–	–	–
0.18	0.6	130	0.18	0.55	130	–	–	–	GV2 P04 or GV2 ME04	0.4...0.63	LC1 D09
0.25	0.88	130	0.25	0.76	130	–	–	–	–	–	–
0.37	0.98	130	0.37	0.99	130	–	–	–	GV2 P05 or GV2 ME05	0.63...1	LC1 D09
–	–	–	–	–	–	0.37	1	130	–	–	–
0.55	1.5	130	0.55	1.36	130	0.55	1.21	130	GV2 P06 or GV2 ME06	1...1.6	LC1 D09
–	–	–	–	–	–	0.75	1.5	130	GV2 P06 or GV2 ME06	1...1.6	LC1 D09
0.75	2	130	0.75	1.68	130	–	–	–	–	–	–
–	–	–	1.1	2.37	130	1.1	2	130	GV2 P07 or GV2 ME07	1.6...2.5	LC1 D09
1.1	2.5	130	–	–	–	1.5	2.6	130	–	–	–
1.5	3.5	130	1.5	3.06	130	2.2	3.8	130	GV2 P08 or GV2 ME08	2.5...4	LC1 D09
–	–	–	–	–	–	–	–	–	–	–	–
2.2	5	130	–	–	–	–	–	–	GV2 P10 or GV2 ME10	4...6.3	LC1 D09
–	–	–	2.2	4.42	50	–	–	–	–	–	–
–	–	–	3	5.77	50	3	5	50	GV2 ME10	4...6.3	LC1 D09
–	–	–	2.2	4.42	130	–	–	–	–	–	–
–	–	–	3	5.77	130	3	5	130	GV2 P10	4...6.3	LC1 D09
3	6.5	130	–	–	–	–	–	–	–	–	–
4	8.4	130	–	–	–	–	–	–	GV2 P14 or GV2 ME14	6...10	LC1 D09
–	–	–	4	7.9	15	4	6.5	10	–	–	–
–	–	–	–	–	–	5.5	9	10	GV2 ME14	6...10	LC1 D09
–	–	–	–	–	–	4	6.5	50	–	–	–
–	–	–	4	7.9	130	5.5	9	50	GV2 P14	6...10	LC1 D12
5.5	11	130	5.5	10.4	50	7.5	12	42	–	–	–
–	–	–	7.5	13.7	50	9	13.9	42	GV2 P16 or GV2 ME16	9...14	LC1 D25
7.5	14.8	50	9	16.9	20	–	–	–	GV2 P20 or GV2 ME20	13...18	LC1 D25
9	18.1	50	11	20.1	20	11	18.4	10	GV2 P21 or GV2 ME21	17...23	LC1 D25
11	21	50	–	–	–	–	–	–	GV2 P22 or GV2 ME22	20...25	LC1 D25
–	–	–	–	–	–	15	23	10	GV2 P22	20...25	LC1 D32
15	28.5	35	15	26.5	25	18.5	28.5	10	GV2 P32 or GV2 ME32	25...40	LC1 D32
18.5	35	50	18.5	32.8	50	–	–	–	GV3 P40	30...40	LC1 D40
–	–	–	22	39	50	22	33	50	GV3 P40	30...40	LC1 D40
22	42	50	–	–	–	30	45	50	GV3 P50	37...50	LC1 D50
30	57	50	30	51.5	50	37	55	50	GV3 P65	48...65	LC1 D65
–	–	–	22	39	65	–	–	–	GV7 RS40	25...40	LC1 D80
–	–	–	–	–	–	30	45	50	GV7 RS50	30...50	LC1 D80
–	–	–	–	–	–	37	55	50	GV7 RS80	48...80	LC1 D80
22	42	70	–	–	–	–	–	–	GV7 RS50	30...50	LC1 D80
30	57	70	30	51.5	65	–	–	–	GV7 RS80	48...80	LC1 D80
37	69	70	37	64	65	–	–	–	GV7 RS80	48...80	LC1 D80
–	–	–	45	76	65	–	–	–	GV7 RS80	48...80	LC1 D80
–	–	–	–	–	–	45	65	50	GV7 RS80	48...80	LC1 D115
–	–	–	–	–	–	55	80	50	GV7 RS80	48...80	LC1 D115
45	81	70	–	–	–	–	–	–	–	–	–
–	–	–	55	90	65	–	–	–	GV7 RS100	60...100	LC1 D115
55	100	70	75	125	65	–	–	–	–	–	–
75	135	70	90	146	65	90	129	50	GV7 RS150	90...150	LC1 D150
90	165	70	110	178	65	110	156	50	GV7 RS220	132...220	LC1 F185
110	200	70	132	215	65	–	–	–	GV7 RS220	132...220	LC1 F225
–	–	–	–	–	–	132	187	50	–	–	–
–	–	–	–	–	–	160	220	50	GV7 RS220	132...220	LC1 F265

(1) The breaking performance of circuit-breakers GV2 P can be increased by adding a current limiter GV1 L3, see page 24509/5.

(2) Combinations with circuit-breaker GV2 ME are type 2 coordinated only at 400/415 V and 440 V.

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