

Protection components

TeSys T Motor Management System

0.37 to 355 kW at 400/415 V: type 2 coordination							
With switch-disconnector, contactor and class 10 controller							
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415 V		Switch-disconnector	aM fuses		Contactor	TeSys T controller	External current transformer
P	I _e	Reference ⁽¹⁾	Size	Rating	Reference ⁽²⁾	Reference	Reference
kW	A			A			
0.37	1.1	GS1DD	10 x 38	2	LC1D09	LTMR08●●	–
0.55	1.5	GS1DD	10 x 38	2	LC1D09	LTMR08●●	–
0.75	1.9	GS1DD	10 x 38	4	LC1D09	LTMR08●●	–
1.1	2.7	GS1DD	10 x 38	4	LC1D09	LTMR08●●	–
1.5	3.6	GS1DD	10 x 38	4	LC1D09	LTMR08●●	–
2.2	4.9	GS1DD	10 x 38	6	LC1D09	LTMR08●●	–
3	6.5	GS1DD	10 x 38	8	LC1D09	LTMR27●●	–
4	8.5	GS1DD	10 x 38	10	LC1D09	LTMR27●●	–
5.5	11.5	GS1DD	10 x 38	16	LC1D12	LTMR27●●	–
7.5	15.5	GS1DD	10 x 38	16	LC1D25	LTMR27●●	–
10	19	GS●F	14 x 51	25	LC1D25	LTMR27●●	–
11	22	GS●F	14 x 51	25	LC1D25	LTMR27●●	–
15	29	GS●F	14 x 51	32	LC1D32	LTMR100●●	–
18.5	35	GS●F	14 x 51	40	LC1D40A	LTMR100●●	–
22	41	GS●J	22 x 58	50	LC1D50A	LTMR100●●	–
30	55	GS●J	22 x 58	80	LC1D65A	LTMR100●●	–
37	66	GS●J	22 x 58	100	LC1D80	LTMR100●●	–
45	80	GS●J	22 x 58	100	LC1D95	LTMR100●●	–
55	97	GS●K	T00	125	LC1D115	LTMR08●●	LT6CT2001
75	132	GS●L	T0	160	LC1D150	LTMR08●●	LT6CT2001
90	160	GS●N	T1	200	LC1F185	LTMR08●●	LT6CT2001
110	195	GS●N	T1	250	LC1F225	LTMR08●●	LT6CT4001
132	230	GS●QQ	T2	315	LC1F265	LTMR08●●	LT6CT4001
160	280	GS●QQ	T2	355	LC1F400	LTMR08●●	LT6CT4001
200	350	GS2S	T3	500	LC1F400	LTMR08●●	LT6CT8001
250	430	GS2S	T3	500	LC1F500	LTMR08●●	LT6CT8001
315	540	GS2S	T3	630	LC1F630	LTMR08●●	LT6CT8001
355	610	GS2V	T4	800	LC1F630	LTMR08●●	LT6CT8001

(1) GS●: GS1 for direct operator, GS2 for external operator.

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

Protection components

TeSys T Motor Management System

0.06 to 250 kW at 400/415 V: type 2 coordination						
With Circuit breaker, contactor and class 10 controller						
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415 V			Circuit breaker	Contactor	TeSys T controller	External current transformer
P	I _e	I _{cc}	Reference	Reference	Reference	Reference
kW	A	kA				
0.06	0.2	130	GV2L03	LC1D09	LTMR08●●	–
0.09	0.3	130	GV2L03	LC1D09	LTMR08●●	–
0.12	0.44	130	GV2L04	LC1D09	LTMR08●●	–
0.18	0.6	130	GV2L04	LC1D09	LTMR08●●	–
0.25	0.85	130	GV2L05	LC1D09	LTMR08●●	–
0.37	1.1	130	GV2L05	LC1D09	LTMR08●●	–
0.55	1.5	130	GV2L06	LC1D09	LTMR08●●	–
0.75	1.9	130	GV2L07	LC1D09	LTMR08●●	–
1.1	2.7	130	GV2L07	LC1D18	LTMR08●●	–
1.5	3.6	130	GV2L08	LC1D18	LTMR08●●	–
2.2	4.9	130	GV2L10	LC1D18	LTMR08●●	–
3	6.5	130	GV2L14	LC1D18	LTMR08●●	–
4	8.5	130	GV2L14	LC1D18	LTMR27●●	–
5.5	11.5	130	GV2L16	LC1D25	LTMR27●●	–
7.5	15.5	50	GV2L20	LC1D25	LTMR27●●	–
9	18.1	50	GV2L22	LC1D25	LTMR27●●	–
11	22	50	GV2L22	LC1D25	LTMR27●●	–
15	29	50	GV3L32	LC1D40A	LTMR100●●	–
18.5	35	50	GV3L40	LC1D50A	LTMR100●●	–
22	41	50	GV3L50	LC1D50A	LTMR100●●	–
30	55	50	GV3L65	LC1D65A	LTMR100●●	–
37	66	70	NSX80HMA	LC1D80	LTMR100●●	–
45	80	25	NSX100HMA	LC1D115	LTMR100●●	–
45	80	70	NSX100HMA	LC1D115	LTMR100●●	–

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TeSys T Motor Management System

0.06 to 250 kW at 400/415 V: type 2 coordination						
With Circuit breaker, contactor and class 10 controller						
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415 V			Circuit breaker	Contactor	TeSys T controller	External current transformer
P	I _e	I _{cc}	Reference	Reference	Reference	Reference
kW	A	kA				
55	97	36	NSX160NMA	LC1D115	LTMR08●●	LT6CT2001
55	97	70	NSX160HMA	LC1D115	LTMR08●●	LT6CT2001
75	132	36	NSX160NMA	LC1D150	LTMR08●●	LT6CT2001
75	132	70	NSX160HMA	LC1D150	LTMR08●●	LT6CT2001
90	160	36	NSX250NMA	LC1F185	LTMR08●●	LT6CT2001
90	160	70	NSX250HMA	LC1F185	LTMR08●●	LT6CT2001
110	195	36	NSX250NMA	LC1F225	LTMR08●●	LT6CT2001
110	195	70	NSX250HMA	LC1F225	LTMR08●●	LT6CT2001
132	230	70	NSX400HMA	LC1F265	LTMR08●●	LT6CT4001
132	230	130	NSX400LMA	LC1F265	LTMR08●●	LT6CT4001
160	280	70	NSX400HMA	LC1F330	LTMR08●●	LT6CT4001
160	280	130	NSX400LMA	LC1F330	LTMR08●●	LT6CT4001
200	350	70	NSX630HMA	LC1F400	LTMR08●●	LT6CT4001
200	350	130	NSX630LMA	LC1F400	LTMR08●●	LT6CT4001
220	388	70	NSX630HMA	LC1F500	LTMR08●●	LT6CT4001
220	388	130	NSX630LMA	LC1F500	LTMR08●●	LT6CT4001
250	430	70	NSX630HMA	LC1F500	LTMR08●●	LT6CT8001
250	430	130	NSX630LMA	LC1F500	LTMR08●●	LT6CT8001

Substitution table						
Motor current	Old range LT6P multifunction protection relay			New range TeSys T controllers		
	Reference	Reference	External current transformer Reference	Reference	Reference	External current transformer Reference
	~ 100...240 V	≡ 24 V		~ 100...240 V	≡ 24 V	
I < 5 A	LT6POM005FM	LT6POM005S144	–	LTMR08●FM	LTMR08●BD	–
5 A < I < 25 A	LT6POM025FM	LT6POM025S144	–	LTMR27●FM	LTMR27●BD	–
25 A < I < 100 A	LT6POM005FM	LT6POM005S144	LT6CT1001	LTMR100●FM	LTMR100●BD	–
100 A < I < 200 A	LT6POM005FM	LT6POM005S144	LT6CT2001	LTMR08●FM	LTMR08●BD	LT6CT2001
200 A < I < 400 A	LT6POM005FM	LT6POM005S144	LT6CT4001	LTMR08●FM	LTMR08●BD	LT6CT4001
400 A < I < 800 A	LT6POM005FM	LT6POM005S144	LT6CT8001	LTMR08●FM	LTMR08●BD	LT6CT8001

Protection components

TeSys T Motor Management System

0.37 to 400 kW at 690 V: type 2 coordination

With switch-disconnector, contactor and class 10 controller

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3		Switch-disconnector (1)	aM fuses		Contactor	TeSys T controller	External current transformer
P	I _e	Reference	Size	Rating	Reference	Reference	Reference
kW	A			A			
0.37	0.64	GS●F	14 x 51	1	LC1D09	LTMR08●●	–
0.55	0.87	GS●F	14 x 51	2	LC1D09	LTMR08●●	–
0.75	1.1	GS●F	14 x 51	2	LC1D09	LTMR08●●	–
1.1	1.6	GS●F	14 x 51	2	LC1D09	LTMR08●●	–
1.5	2.1	GS●F	14 x 51	4	LC1D09	LTMR08●●	–
2.2	2.8	GS●F	14 x 51	4	LC1D09	LTMR08●●	–
3	3.8	GS●F	14 x 51	6	LC1D09	LTMR08●●	–
4	4.9	GS●F	14 x 51	6	LC1D09	LTMR08●●	–
5.5	6.7	GS●F	14 x 51	8	LC1D25	LTMR08●●	–
7.5	8.9	GS●F	14 x 51	10	LC1D25	LTMR27●●	–
11	12.8	GS●F	14 x 51	16	LC1D25	LTMR27●●	–
15	17	GS●G	T000	20	LC1D32	LTMR27●●	–
18.5	21	GS●G	T000	25	LC1D32	LTMR27●●	–
22	24	GS●G	T000	32	LC1D40A	LTMR27●●	–
30	32	GS●G	T000	40	LC1D50A	LTMR100●●	–
37	39	GS●J	22 x 58	50	LC1D65A	LTMR100●●	–
45	47	GS●J	22 x 58	63	LC1D80	LTMR100●●	–
55	57	GS●J	22 x 58	80	LC1D115	LTMR100●●	–
75	77	GS●KK	T00	100	LC1D115	LTMR100●●	–
90	93	GS●KK	T00	125	LC1F150	LTMR08●●	LT6CT2001
110	113	GS●KK	T00	125	LC1F185	LTMR08●●	LT6CT2001
132	134	GS●L	T0	160	LC1F265	LTMR08●●	LT6CT2001
160	162	GS●N	T1	200	LC1F265	LTMR08●●	LT6CT2001
200	203	GS●N	T1	250	LC1F330	LTMR08●●	LT6CT4001
220	224	GS●QQ	T2	250	LC1F400	LTMR08●●	LT6CT4001
250	250	GS●QQ	T2	315	LC1F400	LTMR08●●	LT6CT4001
290	292	GS●QQ	T2	355	LC1F500	LTMR08●●	LT6CT4001
315	313	GS●QQ	T2	355	LC1F500	LTMR08●●	LT6CT4001
355	354	GS2S	T3	400	LC1F630	LTMR08●●	LT6CT4001
400	400	GS2S	T3	500	LC1F630	LTMR08●●	LT6CT8001

(1) GS●: GS1 for direct operator, GS2 for external operator.