

# TeSys island motor starters

## Standard, SIL starters - Power interface modules

### IEC - Type 1 coordination with circuit breakers - 230 V

0.06 to 22 kW at 230 V: Type 1 coordination					
Applications power ratings of 3-phase motors 50-60 Hz in category AC-3			Circuit breaker (Trip class 5 to 15)	Standard Starters SIL Starters Power Interface Modules	
230 V			References	References	Setting range
P	I <sub>e</sub>	I <sub>q</sub>			
kW	A	kA			A
0.06	0.35	100	GV2L03	TPRST009 TPRSS009 TPRPM009	0.18-9
0.09	0.52	100	GV2L04	TPRST009 TPRSS009 TPRPM009	0.18-9
0.12	0.7	100	GV2L05	TPRST009 TPRSS009 TPRPM009	0.18-9
0.18	1	100	GV2L06	TPRST009 TPRSS009 TPRPM009	0.18-9
0.25	1.5	100	GV2L06	TPRST009 TPRSS009 TPRPM009	0.18-9
0.37	1.9	100	GV2L07	TPRST009 TPRSS009 TPRPM009	0.18-9
0.55	2.6	100	GV2L08	TPRST009 TPRSS009 TPRPM009	0.18-9
0.75	3.3	100	GV2L08	TPRST009 TPRSS009 TPRPM009	0.18-9
1.1	4.7	100	GV2L10	TPRST009 TPRSS009 TPRPM009	0.18-9
1.5	6.3	100	GV2L14	TPRST009 TPRSS009 TPRPM009	0.18-9
2.2	8.5	100	GV2L14	TPRST009 TPRSS009 TPRPM009	0.18-9
3	11.3	100	GV2L16	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
4	15	100	GV2L20	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
5.5	20	50	GV2L22	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
7.5	27	50	GV2L32	TPRST038 TPRSS038 TPRPM038	0.76-38
9	32	100	GV3L40	TPRST038 TPRSS038 TPRPM038	0.76-38
11	38	100	GV3L40	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
15	51	100	GV3L65	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
18.5	61	100	GV3L65	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
22	72	100	GV3L73	TPRPM080	4-80

# TeSys island motor starters

Standard, SIL starters

IEC - Type 2 coordination with circuit breakers - 230 V

0.06 to 22 kW at 230 V: Type 2 coordination					
Applications power ratings of 3-phase motors 50-60 Hz in category AC-3			Circuit breaker (Trip class 5 to 15)	Standard Starters SIL Starters	
230 V			References	References	Setting range
P	I <sub>e</sub>	I <sub>q</sub>			
kW	A	kA			A
0.06	0.35	100	GV2L03	TPRST009 TPRSS009	0.18-9
0.09	0.52	100	GV2L04	TPRST009 TPRSS009	0.18-9
0.12	0.7	100	GV2L05	TPRST009 TPRSS009	0.18-9
0.18	1	100	GV2L06	TPRST009 TPRSS009	0.18-9
0.25	1.5	100	GV2L06	TPRST009 TPRSS009	0.18-9
0.37	1.9	100	GV2L07	TPRST009 TPRSS009	0.18-9
0.55	2.6	100	GV2L08	TPRST009 TPRSS009	0.18-9
0.75	3.3	100	GV2L08	TPRST025 TPRSS025	0.5-25
1.1	4.7	100	GV2L10	TPRST025 TPRSS025	0.5-25
1.5	6.3	100	GV2L14	TPRST025 TPRSS025	0.5-25
2.2	8.5	100	GV2L14	TPRST025 TPRSS025	0.5-25
3	11.3	100	GV2L16	TPRST025 TPRSS025	0.5-25
4	15	100	GV2L20	TPRST025 TPRSS025	0.5-25
5.5	20	50	GV2L22	TPRST025 TPRSS025	0.5-25
7.5	27	50	GV2L32	TPRST038 TPRSS038	0.76-38
9	32	100	GV3L40	TPRST038 TPRSS038	0.76-38
11	38	100	GV3L40	TPRST065 TPRSS065	3.25-65
15	51	100	GV3L65	TPRST065 TPRSS065	3.25-65
18.5	61	100	GV3L65	TPRST065 TPRSS065	3.25-65

Coordination and standards

# TeSys island motor starters

## Standard, SIL starters - Power interface modules

### IEC - Type 1 coordination with circuit breakers - 400/415 - 440 - 500 V

0.06 to 37 kW at 400/415 - 440 - 500 V: Type 1 coordination											
Applications power ratings of 3-phase motors 50-60 Hz in category AC-3									Circuit breaker (Trip class 5 to 15)	Standard Starters SIL Starters Power Interface Modules	
400/415 V			440 V			500 V			References	References	Setting range
P	I <sub>e</sub>	I <sub>q</sub>	P	I <sub>e</sub>	I <sub>q</sub>	P	I <sub>e</sub>	I <sub>q</sub>			
kW	A	kA	kW	A	kA	kW	A	kA		A	
0.06	0.2	100	0.06	0.18	100	-	-	-	GV2L03	TPRST009 TPRSS009 TPRPM009	0.18-9
0.09	0.3	100	0.09	0.27	100	-	-	-			
0.12	0.44	100	0.12	0.4	100	-	-	-	GV2L04	TPRST009 TPRSS009 TPRPM009	0.18-9
0.18	0.6	100	0.18	0.55	100	-	-	-			
0.25	0.85	100	0.25	0.77	100	-	-	-	GV2L05	TPRST009 TPRSS009 TPRPM009	0.18-9
0.37	1.1	100	-	-	-	0.37	0.88	100			
-	-	-	0.37	1	100	-	-	-	GV2L06	TPRST009 TPRSS009 TPRPM009	0.18-9
0.55	1.5	100	0.55	1.4	100	0.55	1.2	100			
-	-	-	-	-	-	0.75	1.5	100	GV2L07	TPRST009 TPRSS009 TPRPM009	0.18-9
0.75	1.9	100	0.75	1.7	100	-	-	-			
1.1	2.7	100	-	-	-	1.1	2.2	100			
-	-	-	1.1	2.4	100	-	-	-	GV2L08	TPRST009 TPRSS009 TPRPM009	0.18-9
1.5	3.6	100	1.5	3.3	100	1.5	2.9	100			
2.2	4.9	100	2.2	4.5	100	2.2	3.9	100	GV2L10	TPRST009 TPRSS009 TPRPM009	0.18-9
-	-	-	3	5.9	100	3	5.2	100			
3	6.5	100	-	-	-	-	-	-	GV2L14	TPRST009 TPRSS009 TPRPM009	0.18-9
4	8.5	100	4	7.7	20	4	6.8	10			
-	-	-	-	-	-	5.5	9.2	10			
5.5	11.5	50	5.5	10.5	20	-	-	-	GV2L16	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
-	-	-	-	-	-	7.5	12.4	10			
7.5	15.5	50	7.5	14.1	20	-	-	-	GV2L20	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
-	-	-	9	16.5	20	9	13.9	10			
9	18.1	50	-	-	-	-	-	-	GV2L22	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
11	22	50	11	20	20	11	17.6	10			
-	-	-	-	-	-	15	23	10			
15	29	50	15	26.4	20	-	-	-	GV2L32	TPRST038 TPRSS038 TPRPM038	0.76-38
-	-	-	-	-	-	18.5	28	10			
18.5	35	50	18.5	31.8	50	-	-	-	GV3L40	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
-	-	-	-	-	-	22	33	12			
22	41	50	22	37.3	50	-	-	-	GV3L50	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
-	-	-	-	-	-	30	44	12			
30	55	50	30	50	50	-	-	-	GV3L65	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
-	-	-	37	60	50	37	53	12			
37	66	50	-	-	-	-	-	-	GV3L73	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80

Coordination and standards

# TeSys island motor starters

## Standard, SIL starters

### IEC - Type 2 coordination with circuit breakers - 400/415 - 440 - 500 V

0.06 to 37 kW at 400/415 - 440 - 500 V: Type 2 coordination										Circuit breaker (Trip class 5 to 15)	Standard Starters SIL Starters	Setting range
Applications power ratings of 3-phase motors 50-60 Hz in category AC-3									References			
400/415 V			440 V			500 V				P	le	Iq
P	Ie	Iq	P	Ie	Iq	P	Ie	Iq	A			
kW	A	kA	kW	A	kA	kW	A	kA				
0.06	0.2	100	0.06	0.18	100	-	-	-	GV2L03	TPRST009 TPRSS009	0.18-9	
0.09	0.3	100	0.09	0.27	100	-	-	-				
0.12	0.44	100	0.12	0.4	100	-	-	-	GV2L04	TPRST009 TPRSS009	0.18-9	
0.18	0.6	100	0.18	0.55	100	-	-	-				
0.25	0.85	100	0.25	0.77	100	-	-	-	GV2L05	TPRST009 TPRSS009	0.18-9	
0.37	1.1	100	-	-	-	0.37	0.88	100				
-	-	-	0.37	1	100	-	-	-	GV2L06	TPRST009 TPRSS009	0.18-9	
0.55	1.5	100	0.55	1.4	100	0.55	1.2	100				
-	-	-	-	-	-	0.75	1.5	100	GV2L07	TPRST009 TPRSS009	0.18-9	
0.75	1.9	100	0.75	1.7	100	-	-	-				
						1.1	2.2	100				
1.1	2.7	100	-	-	-	-	-	-	GV2L07	TPRST025 TPRSS025	0.5-25	
-	-	-	1.1	2.4	100	-	-	-	GV2L08	TPRST009 TPRSS009	0.18-9	
-	-	-	-	-	-	1.5	2.9	100				
1.5	3.6	100	1.5	3.3	100	-	-	-	GV2L08	TPRST025 TPRSS025	0.5-25	
2.2	4.9	100	2.2	4.5	100	2.2	3.9	100	GV2L10	TPRST025 TPRSS025	0.5-25	
-	-	-	3	5.9	100	3	5.2	100				
3	6.5	100	-	-	-	-	-	-	GV2L14	TPRST025 TPRSS025	0.5-25	
4	8.5	100	4	7.7	20	4	6.8	10				
-	-	-	-	-	-	5.5	9.2	10				
5.5	11.5	50	5.5	10.5	20	-	-	-	GV2L16	TPRST025 TPRSS025	0.5-25	
-	-	-	-	-	-	7.5	12.4	10				
7.5	15.5	50	7.5	14.1	20	-	-	-	GV2L20	TPRST025 TPRSS025	0.5-25	
-	-	-	9	16.5	20	9	13.9	10				
9	18.1	50	-	-	-	-	-	-	GV2L22	TPRST025 TPRSS025	0.5-25	
11	22	50	11	20	20	11	17.6	10				
-	-	-	-	-	-	15	23	10				
15	29	50	15	26.4	20	-	-	-	GV2L32	TPRST038 TPRSS038	0.76-38	
-	-	-	-	-	-	18.5	28	10				
18.5	35	50	18.5	31.8	50	-	-	-	GV3L40	TPRST065 TPRSS065	3.25-65	
-	-	-	-	-	-	22	33	12				
22	41	50	22	37.3	50	-	-	-	GV3L50	TPRST065 TPRSS065	3.25-65	
-	-	-	-	-	-	30	44	12				
30	55	50	30	50	50	-	-	-	GV3L65	TPRST065 TPRSS065	3.25-65	
-	-	-	37	60	50	37	53	12				
37	66	50	-	-	-	-	-	-	GV3L73	TPRST065 TPRSS065	3.25-65	

Coordination  
and  
standards

# TeSys island motor starters

Standard, SIL starters - Power interface modules

IEC - Type 1 coordination with circuit breakers - 690 V

0.06 to 37 kW at 690 V: Type 1 coordination					
Applications power ratings of 3-phase motors 50-60 Hz in category AC-3			Circuit breaker (Trip class 5 to 15)	Standard Starters SIL Starters Power Interface Modules	
690 V			References	References	Setting range
P	I <sub>e</sub>	I <sub>q</sub>			A
kW	A	kA			
0.37	0.64	100	GV2L05	TPRST009 TPRSS009 TPRPM009	0.18-9
0.55	0.87	4	GV2L05	TPRST009 TPRSS009 TPRPM009	0.18-9
0.75	1.1	4	GV2L06	TPRST009 TPRSS009 TPRPM009	0.18-9
1.1	1.6	4	GV2L07	TPRST009 TPRSS009 TPRPM009	0.18-9
1.5	2.1	4	GV2L07	TPRST009 TPRSS009 TPRPM009	0.18-9
2.2	2.8	4	GV2L08	TPRST009 TPRSS009 TPRPM009	0.18-9
3	3.8	4	GV2L08	TPRST009 TPRSS009 TPRPM009	0.18-9
4	4.9	4	GV2L10	TPRST009 TPRSS009 TPRPM009	0.18-9
5.5	6.7	4	GV2L14	TPRST009 TPRSS009 TPRPM009	0.18-9
7.5	8.9	4	GV2L14	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
9	10.5	4	GV2L16	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
11	12.8	4	GV2L16	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
15	17	4	GV2L20	TPRST025 TPRSS025 TPRPM038	0.5-25 / 0.76-38
18.5	21	4	GV2L22	TPRST038 TPRSS038 TPRPM038	0.76-38
22	24	4	GV2L22	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
30	32	6	GV3L40	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80
37	39	6	GV3L50	TPRST065 TPRSS065 TPRPM080	3.25-65 / 4-80

Coordination and standards

# TeSys island motor starters

Standard, SIL starters

IEC - Type 2 coordination with circuit breakers - 690 V

0.06 to 37 kW at 690 V: Type 2 coordination					
Applications power ratings of 3-phase motors 50-60 Hz in category AC-3			Circuit breaker (Trip class 5 to 15)	Standard Starters SIL Starters	
690 V			References	References	Setting range
P	I <sub>e</sub>	I <sub>q</sub>			
kW	A	kA			A
0.37	0.64	100	GV2L05	TPRST009 TPRSS009	0.18-9
0.55	0.87	4	GV2L05	TPRST009 TPRSS009	0.18-9
0.75	1.1	4	GV2L06	TPRST009 TPRSS009	0.18-9
1.1	1.6	4	GV2L07	TPRST009 TPRSS009	0.18-9
1.1	1.6	50	GV2L07 + LA9LB920	TPRST025 TPRSS025	0.5-25
1.5	2.1	4	GV2L07	TPRST009 TPRSS009	0.18-9
1.5	2.1	50	GV2L07 + LA9LB920	TPRST025 TPRSS025	0.5-25
2.2	2.8	4	GV2L08	TPRST025 TPRSS025	0.5-25
2.2	2.8	50	GV2L08 + LA9LB920	TPRST025 TPRSS025	0.5-25
3	3.8	4	GV2L08	TPRST025 TPRSS025	0.5-25
3	3.8	50	GV2L08 + LA9LB920	TPRST025 TPRSS025	0.5-25
4	4.9	4	GV2L10	TPRST025 TPRSS025	0.5-25
4	4.9	50	GV2L10 + LA9LB920	TPRST025 TPRSS025	0.5-25
5.5	6.7	4	GV2L14	TPRST025 TPRSS025	0.5-25
5.5	6.7	50	GV2L14 + LA9LB920	TPRST025 TPRSS025	0.5-25
7.5	8.9	4	GV2L14	TPRST025 TPRSS025	0.5-25
7.5	8.9	50	GV2L14 + LA9LB920	TPRST025 TPRSS025	0.5-25
9	10.5	4	GV2L16	TPRST025 TPRSS025	0.5-25
11	12.8	4	GV2L16	TPRST025 TPRSS025	0.5-25
11	12.8	3	GV3L18 + LA9LB920	TPRST038 TPRSS038	0.76-38
15	17	4	GV2L20	TPRST025 TPRSS025	0.5-25
15	17	3	GV2L22 + LA9LB920	TPRST038 TPRSS038	0.76-38
18.5	21	4	GV2L22	TPRST038 TPRSS038	0.76-38
18.5	21	3	GV3L25 + LA9LB920	TPRST065 TPRSS065	3.25-65
22	24	4	GV2L22	TPRST065 TPRSS065	3.25-65
22	24	3	GV2L32 + LA9LB920	TPRST065 TPRSS065	3.25-65
30	32	6	GV3L40	TPRST065 TPRSS065	3.25-65
37	39	6	GV3L50	TPRST065 TPRSS065	3.25-65

Coordination  
and  
standards