

Soft starters for asynchronous motors

Altistart 01

400 V power supply, type 1 coordination

Components to be combined in accordance with standards IEC 60947-1 and IEC 60947-4-2

Combine either circuit-breaker (light blue columns), contactor, starter, or switch/fuse (dark blue columns), contactor, starter

Motor		Starter Class 10	Type of circuit-breaker	Rating	Type of contactor	Type of switch or switch disconnecter (base unit)	Am fuses Reference	Rating	I ² t	Thermal overload relay
kW	A			A				A	A ² s	
M1		A1	Q1		KM1, KM2, KM3	Q2				F4
0.37	0.98	ATS 01N103FT	GV2 ME05	1	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA02	2	265	LR2 K0306 LRD 05
0.55	1.5	ATS 01N103FT	GV2 ME06	1.6	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA02	2	265	LR2 K0307 LRD 06
0.75	2	ATS 01N103FT	GV2 ME07	2.5	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA02	2	265	LR2 K0308 LRD 07
1.1	2.5	ATS 01N103FT	GV2 ME08	4	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA04	4	265	LR2 K0308 LRD 08
		ATS 01N206QN	GV2 ME08	4	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA04	4	265	LR2 K0308 LRD 08
1.5	3.5	ATS 01N106FT	GV2 ME08	4	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA06	6	265	LR2 K0310 LRD 08
		ATS 01N206QN	GV2 ME08	4	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA06	6	265	LR2 K0310 LRD 08
2.2	5	ATS 01N106FT	GV2 ME10	6.3	LC1 K06 or LC1 D09	LS1 D2531	DF2 CA08	8	265	LR2 K0312 LRD 10
		ATS 01N206QN	GV2 ME10	6.3	LC1 K09 or LC1 D09	LS1 D2531	DF2 CA08	8	265	LR2 K0312 LRD 10
3	6.5	ATS 01N106FT	GV2 ME14	9	LC1 K09 or LC1 D09	LS1 D2531	DF2 CA12	12	265	LR2 K0314 LRD 12
		ATS 01N206QN	GV2 ME14	9	LC1 K09 or LC1 D09	LS1 D2531	DF2 CA12	12	265	LR2 K0314 LRD 12
4	8.4	ATS 01N109FT	GV2 ME14	9	LC1 K09 or LC1 D09	LS1 D2531	DF2 CA12	12	610	LR2 K0316 LRD 14
		ATS 01N209QN	GV2 ME14	9	LC1 K09 or LC1 D09	LS1 D2531	DF2 CA12	12	610	LR2 K0316 LRD 14
5.5	11	ATS 01N112FT	GV2 ME16	13	LC1 K12 or LC1 D12	LS1 D2531	DF2 CA16	16	610	LR2 K0321 LRD 16
		ATS 01N212QN	GV2 ME16	13	LC1 K12 or LC1 D12	LS1 D2531	DF2 CA16	16	610	LR2 K0321 LRD 16
7.5	14.8	ATS 01N125FT	GV2 ME20	17	LC1 D18	LS1 D2531	DF2 CA20	20	6050	LRD 21
		ATS 01N222QN	GV2 ME20	17	LC1 D18	LS1 D2531	DF2 CA20	20	6050	LRD 21
9	18.1	ATS 01N125FT	GV2 ME21	21	LC1 D25	LS1 D2531	DF2 CA25	25	6050	LRD 21
		ATS 01N222QN	GV2 ME21	21	LC1 D25	LS1 D2531	DF2 CA25	25	6050	LRD 21
11	21	ATS 01N125FT	GV2 ME22	23	LC1 D25	LS1 D2531	DF2 CA25	25	6050	LRD 22
		ATS 01N222QN	GV2 ME22	23	LC1 D25	LS1 D2531	DF2 CA25	25	6050	LRD 22
15	28.5	ATS 01N232QN	GV2 ME32	32	LC1 D32	GK1 EM	DF2 EA40	40	7200	LRD 3353
18.5	35	ATS 01N244Q	GV3 P40	40	LC1 D38	GK1 EM	DF2 EA40	40	8000	LRD 3355
22	42	ATS 01N244Q	GV3 P50	50	LC1 D50	GK1 FM	DF2 FA63	63	8000	LRD 3357
30	57	ATS 01N272Q	GV3 P65	65	LC1 D65	GK1 FM	DF2 FA63	63	9000	LRD 3359
37	69	ATS 01N272Q	GV3 ME80	80	LC1 D80	GK1 FM	DF2 FA80	80	9000	LRD 3363
45	81	ATS 01N285Q	GV7 RE100	100	LC1 D95	GK1 FM	DF2 FA100	100	9000	LRD 3365

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690 V power supply, type 1 coordination

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Motor		Starter Class 10	Type of circuit-breaker	Rating	Type of contactor	Type of switch or switch disconnecter (base unit)	Am fuses Reference	Rating	I ² t	Thermal overload relay
kW	A			A				A	A ² s	
M1		A1	Q1		KM1	Q2				F4
30	33	ATS 01N230LY	GV3 P40 + GV AN11	30...40	LC1 D50	GK1 EM	DF2 EA40	40	7200	LRD 3355
37	40	ATS 01N244LY	GV3 P65 + GV AN11	48...65	LC1 D65	GK1 FM	DF2 FA63	63	8000	LRD 3359
55	58	ATS 01N272LY	GV3 ME80 + GV3 A01	56...80	LC1 D115	GK1 FM	DF2 FA80	80	9000	LRD 3363
75	75.7	ATS 01N285LY	GV7 RE100 + GV7 AE11	60...100	LC1 D150	GK1 FM	DF2 FA100	100	9000	LRD 3365