

Soft starters

Altistart 48 soft start - soft stop units

380 V, 400 V, 415 V power supply

Type 1 coordination

Components for use together in accordance with standards IEC 60947-4-1 and IEC 60947-4-2 (see schemes on pages 60524/2 to 60524/7)

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

Motor kW	A	Starter (1)		Type of circuit-breaker		Type of contactor	Type of switch or switch disconnecter (bare unit)	Am fuses		Size	Rating A
		Class 10 Standard applications	Class 20 Severe applications	Telemechanique Merlin Gerin	Rating A			Reference Without striker	With striker		
M1		A1		Q1		KM1, KM2, KM3					
5.5	11	–	ATS 48D17●	GV2 L20	18	LC1 D18	LS1 D32	DF2 CA16	–	10 x 38	16
				NS80H MA	12.5	LC1 D18	LS1 D32	DF2 CA16	–	10 x 38	16
7.5	14.8	ATS 48D17●	ATS 48D22●	GV2 L20	18	LC1 D18	LS1 D32	DF2 CA16	–	10 x 38	16
				NS80H MA	25	LC1 D18	LS1 D32	DF2 CA16	–	10 x 38	16
11	21	ATS 48D22●	ATS 48D32●	GV2 L22	25	LC1 D25	LS1 D32	DF2 CA25	–	10 x 38	25
				NS80H MA	25	LC1 D25	LS1 D32	DF2 CA25	–	10 x 38	25
15	28.5	ATS 48D32●	ATS 48D38●	GV2 L32	32	LC1 D32	GK1 EK	DF2 EA32	DF3 EA32	14 x 51	32
				NS80H MA	50	LC1 D32	GK1 EK	DF2 EA32	DF3 EA32	14 x 51	32
18.5	35	ATS 48D38●	ATS 48D47●	GK3 EF40	40	LC1 D38	GK1 EK	DF2 EA40	DF3 EA40	14 x 51	40
				NS80H MA	50	LC1 D38	GK1 EK	DF2 EA40	DF3 EA40	14 x 51	40
22	42	ATS 48D47●	ATS 48D62●	GK3 EF65	65	LC1 D50	GK1 FK	DF2 FA50	DF3 FA50	22 x 58	50
				NS80H MA	50	LC1 D50	GK1 FK	DF2 FA50	DF3 FA50	22 x 58	50
30	57	ATS 48D62●	ATS 48D75●	GK3 EF65	65	LC1 D65	GK1 FK	DF2 FA80	DF3 FA80	22 x 58	80
				NS80H MA	80	LC1 D65	GK1 FK	DF2 FA80	DF3 FA80	22 x 58	80
37	69	ATS 48D75●	ATS 48D88●	GK3 EF80	80	LC1 D80	GK1 FK	DF2 FA80	DF3 FA80	22 x 58	80
				NS80H MA	80	LC1 D80	GK1 FK	DF2 FA80	DF3 FA80	22 x 58	80
45	81	ATS 48D88●	ATS48C11●	NS100● MA (2)	100	LC1 D115	GK1 FK	DF2 FA100	DF3 FA100	22 x 58	100
55	100	ATS 48C11●	ATS 48C14●	NS160● MA (2)	150	LC1 D115	GK1 FK	DF2 FA125	DF4 FA125	22 x 58	125
75	131	ATS 48C14●	ATS 48C17●	NS160● MA (2)	150	LC1 D150	GS1 L	DF2 GA1161	DF4 GA1161	0	160
90	162	ATS 48C17●	ATS 48C21●	NS250● MA (2)	220	LC1 F185	GS1 N	DF2 HA1201	DF4 HA1201	1	200
110	195	ATS 48C21●	ATS 48C25●	NS250● MA (2)	220	LC1 F225	GS1 N	DF2 HA1201	DF4 HA1201	1	200
132	233	ATS 48C25●	ATS 48C32●	NS400● MA (2)	320	LC1 F265	GS1 QQ	DF2 JA1251	DF4 JA1251	2	250
160	285	ATS 48C32●	ATS 48C41●	NS400● MA (2)	320	LC1 F330	GS1 QQ	DF2 JA1311	DF4 JA1311	2	315
220	388	ATS 48C41●	ATS 48C48●	NS630● MA (2)	500	LC1 F400	GS1 S	DF2 KA1401	DF4 KA1401	3	400
250	437	ATS 48C48●	ATS 48C59●	NS630● MA (2)	500	LC1 F500	GS1 S	DF2 KA1501	DF4 KA1501	3	500
315	560	ATS 48C59●	ATS 48C66●	NS630b● (2) Micrologic 5.0	630	LC1 F630	GS1 S	DF2 KA1631	DF4 KA1631	3	630
				C801● (2) STR35ME	800	LC1 F630	GS1 S	DF2 KA1631	DF4 KA1631	3	630
355	605	ATS 48C66●	ATS 48C79●	NS800● (2) Micrologic 5.0	800	LC1 F800	GS1 V	DF2 LA1631	DF4 LA1631	4	630
				C801● (2) STR35ME	800	LC1 F800	GS1 V	DF2 LA1631	DF4 LA1631	4	630
400	675	ATS 48C79●	ATS 48M10●	NS800● (2) Micrologic 5.0	800	LC1 F800	GS1 V	DF2 LA1801	DF4 LA1801	4	800
				C801● (2) STR35ME	800	LC1 F800	GS1 V	DF2 LA1801	DF4 LA1801	4	800
500	855	ATS 48M10●	ATS 48M12●	NS1000● (2) Micrologic 5.0	1000	LC1 BM33	GS1 V	DF2 LA1101	DF4 LA1101	4	1000
				C1001● (2) STR35ME	1000	LC1 BM33	GS1 V	DF2 LA1101	DF4 LA1101	4	1000
630	1045	ATS48M12●	–	NS1250● (2) Micrologic 5.0	1250	LC1 BP33	–	DF2 LA1251	DF4 LA1251	4	1250
				C1251● (2) STR35ME	1250	LC1 BP33	–	DF2 LA1251	DF4 LA1251	4	1250

(1) Replace ● with Q or Y according to the starter voltage range.

(2) Replace ● with N, H or L, according to the breaking capacity (see table below).

Maximum prospective short-circuit current of the starter according to IEC 60947-4-2		Breaking capacity of circuit-breakers according to standard IEC 60947-2			
Starter	Iq (kA)	380 V, 400 V, 415 V			Icu (kA)
GV2 L20, GV2 L22, GV2 L32					50
ATS 48D17● to ATS 48C32●	50	GK3 EF40			50
ATS 48C41● to ATS 48M12●	70	GK3 EF65, GK3 EF80			35
		NS80			70
		380 V, 400 V, 415 V			Icu (kA)
		N	H	L	
		NS100	25	70	150
		NS160, NS250	36	70	150
		NS400, NS630	45	70	150
		NS800, NS1000	50	70	150
		NS1250	50	70	–
		C801, C1001	50	70	150
		C1251	50	70	–

Presentation:
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Characteristics:
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Dimensions:
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Schemes:
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