

How to choose contactors & manual motor starters (MMS) (type 1 coordination)

Rated Operational Power				MMS		Contactor	Shortcircuit Breaking Capacity	
kW	Current[A]			Type	Setting Range [A]	Type	Breaking Capacity	
	380V	400V	415V				I _r [kA]	I _q [kA]
0.06	0.21	0.20	0.19	MMS-32S	0.16-0.25	MC-9	1	100
0.09	0.32	0.30	0.29	MMS-32S	0.25-0.4	MC-9	1	100
0.12	0.46	0.44	0.42	MMS-32S	0.4-0.63	MC-9	1	100
0.18	0.63	0.60	0.58	MMS-32S	0.4-0.63	MC-9	1	100
0.25	0.89	0.85	0.82	MMS-32S	0.63-1	MC-9	1	100
0.37	1.16	1.10	1.06	MMS-32S	1-1.6	MC-9	1	100
0.55	1.6	1.5	1.4	MMS-32S	1.6-2.5	MC-9	1	100
0.75	2.0	1.9	1.8	MMS-32S	1.6-2.5	MC-9	1	100
1.1	2.8	2.7	2.6	MMS-32S	2.5-4	MC-9	1	100
1.5	3.8	3.6	3.5	MMS-32S	2.5-4	MC-9	1	100
2.2	5.2	4.9	4.7	MMS-32S	4-6	MC-9	1	100
3.0	6.8	6.5	6.3	MMS-32S	6-10	MC-9	1	50
				MMS-32H				100
4.0	8.9	8.5	8.2	MMS-32S	6-10	MC-9	1	50
				MMS-32H				100
5.5	12.1	11.5	11.1	MMS-32S	9-13	MC-12	3	50
				MMS-32H				100
7.5	16.3	15.5	14.9	MMS-32S	11-17	MC-18	3	20
				MMS-32H				50
11.0	23.2	22.0	21.2	MMS-32S	18-26	MC-25	3	15
				MMS-32H				50
15.0	31	29	28	MMS-32S	22-32	MC-32	3	15
				MMS-32H				50
18.5	37	35	34	MMS-63S	28-40	MC-40	3	25
				MMS-63H				50
22	43	41	40	MMS-63S	34-50	MC-50	3	25
				MMS-63H				50

30	58	55	53	MMS-63S	45-63	MC-63	3	25
				MMS-63H				50
37	69	66	64	MMS-100S	55-75	MC-75	5	50
				MMS-100H				75
45	84	80	77	MMS-100S	70-90	MC-85	5	50
				MMS-100H				75
55	-	-	93	MMS-100S	80-100	MC-95	5	50
75	-	-		MMS-100H				75
90	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-

How to choose contactors, manual motor starters (MMS) & termorelay (type 1 coordination)

Rated Operational Power				MMS		Contactor	Thermal Relays		Shortcircuit Breaking Capacity	
kW	Current[A]			Type	Range [A]	Type	Type	Setting Range [A]	Shortcircuit Breaking Capacity	
	380V	400V	415V						I _r [kA]	I _q [kA]
0.06	0.21	0.20	0.19	MMS-32H	0.25	MC-9	MT-32	0.16-0.25	1	100
0.09	0.32	0.30	0.29	MMS-32H	0.4	MC-9	MT-32	0.25-0.4	1	100
0.12	0.46	0.44	0.42	MMS-32H	0.63	MC-9	MT-32	0.4-0.63	1	100
0.18	0.63	0.60	0.58	MMS-32H	0.63	MC-9	MT-32	0.4-0.63	1	100
0.25	0.89	0.85	0.82	MMS-32H	1	MC-9	MT-32	0.63-1	1	100
0.37	1.16	1.10	1.06	MMS-32H	1.6	MC-9	MT-32	1-1.6	1	100
0.55	1.6	1.5	1.4	MMS-32H	2.5	MC-9	MT-32	1.6-2.5	1	100
0.75	2.0	1.9	1.8	MMS-32H	2.5	MC-9	MT-32	1.6-2.5	1	100
1.1	2.8	2.7	2.6	MMS-32H	4	MC-9	MT-32	2.5-4	1	100
1.5	3.8	3.6	3.5	MMS-32H	4	MC-9	MT-32	2.5-4	1	100
2.2	5.2	4.9	4.7	MMS-32H	6	MC-9	MT-32	4-6	1	100
3.0	6.8	6.5	6.3	MMS-32H	10	MC-9	MT-32	6-10	1	100
4.0	8.9	8.5	8.2	MMS-32H	10	MC-9	MT-32	6-10	1	100
5.5	12.1	11.5	11.1	MMS-32H	13	MC-12	MT-32	9-13	3	100
7.5	16.3	15.5	14.9	MMS-32H	17	MC-18	MT-32	11-17	3	50
11.0	23.2	22.0	21.2	MMS-32H	26	MC-25	MT-32	18-26	3	50
15.0	31	29	28	MMS-32H	32	MC-32	MT-32	22-32	3	50
18.5	37	35	34	MMS-63H	40	MC-40	MT-63	28-40	3	50
22	43	41	40	MMS-63H	50	MC-50	MT-63	34-50	3	50
30	58	55	53	MMS-63H	63	MC-63	MT-63	45-63	3	50
37	69	66	64	MMS-100H	75	MC-75	MT-95	55-75	5	50
45	84	80	77	MMS-100H	90	MC-85	MT-95	70-90	5	50
55	-	-	93	MMS-100H	100	MC-95	MT-95	80-100	5	50
90	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-