

Product Selection

Selection Using Current and Hp/kW Ratings

Table 27 - Motor Protective Switching Devices

Rated Operational Current (I_p) [A]	Motor Current Adjustment Range [A]	Nominal Magnetic Trip Current [A]	Max Short-circuit Current [kA]		Max. 3-phase Hp Ratings ⁽¹⁾				Max. kW, 3-Phase – AC-3 ⁽¹⁾				Cat. No.
			400V (I_{cu})	480V (group motor)	200V	230V	460V	575V	230V	400/415V	500V	690V	
C-Frame, Adjustable Thermal/Fixed Magnetic (14 x I_n)													
0.16	0.10...0.16	2.2	100	65	—	—	—	—	—	0.02	0.06	0.06	140MT-C3E-A16
0.25	0.16...0.25	3.5	100	65	—	—	—	—	—	0.04	0.09	0.09	140MT-C3E-A25
0.4	0.25...0.40	5.6	100	65	—	—	—	—	0.06	0.09	0.12	0.18	140MT-C3E-A40
0.63	0.40...0.63	8.8	100	65	—	—	—	—	0.09	0.18	0.18	0.25	140MT-C3E-A63
1	0.63...1.0	14	100	65	—	—	0.5	0.5	0.18	0.25	0.37	0.55	140MT-C3E-B10
1.6	1.0...1.6	22	100	65	—	—	0.75	—	0.25	0.55	0.75	1.1	140MT-C3E-B16
2.5	1.6...2.5	35	100	65	0.5	0.5	1	1.5	0.37	0.75	1.1	1.8	140MT-C3E-B25
4	2.5...4.0	56	100	65	0.75	0.75	2	3	0.75	1.5	2.2	3	140MT-C3E-B40
6.3	4.0...6.3	88	100	65	1	1.5	3	5	1.5	2.2	3	4	140MT-C3E-B63
10	6.3...10	140	100	65	2	2	5	7.5	2.2	4	6.3	7.5	140MT-C3E-C10
16	10...16	224	65	30	3	5	10	10	4	7.5	10	13	140MT-C3E-C16
20	14.5...20	280	50	30	5	5	10	15	5.5	10	11	17	140MT-C3E-C20
25	18...25	350	15	30	5	7.5	15	20	5.5	11	15	22	140MT-C3E-C25
29	23...29	406	15	30	7.5	10	20	25	7.5	13	18.5	25	140MT-C3E-C29
32	26.5...32	448	15	30	7.5	10	20	30	7.5	15	20	25	140MT-C3E-C32
D-Frame, Adjustable Thermal/Fixed Magnetic (14 x I_n)													
0.63	0.40...0.63	8.8	100	65	—	—	—	—	0.09	0.18	0.18	0.25	140MT-D9E-A63
1	0.63...1.0	14	100	65	—	—	0.5	0.5	0.18	0.25	0.37	0.55	140MT-D9E-B10
1.6	1.0...1.6	22	100	65	—	—	0.75	—	0.25	0.55	0.75	1.1	140MT-D9E-B16
2.5	1.6...2.5	35	100	65	0.5	0.5	1	1.5	0.37	0.75	1.1	1.8	140MT-D9E-B25
4	2.5...4.0	56	100	65	0.75	0.75	2	3	0.75	1.5	2.2	3	140MT-D9E-B40
6.3	4.0...6.3	88	100	65	1	1.5	3	5	1.5	2.2	3	4	140MT-D9E-B63
10	6.3...10	140	100	65	2	2	5	7.5	2.2	4	6.3	7.5	140MT-D9E-C10
16	10...16	224	100	65	3	5	10	10	4	7.5	10	13	140MT-D9E-C16
20	14.5...20	280	100	65	5	5	10	15	5.5	10	11	17	140MT-D9E-C20
25	18...25	350	65	50	5	7.5	15	20	5.5	11	15	22	140MT-D9E-C25
29	23...29	406	50	50	7.5	10	20	25	7.5	13	18.5	25	140MT-D9E-C29
32	26.5...32	448	50	50	7.5	10	20	30	7.5	15	20	25	140MT-D9E-C32
36	30...36	432	50	30	10	10	25	30		18.5	20	25	140MT-D9E-C36 ⁽²⁾
40	34...40	480	50	30	10	10	30	30	11	20	24	30	140MT-D9E-C40 ⁽²⁾
D-Frame, Fixed Magnetic (application at output of VFD multi-motor)													
1.6	1.0...1.6	88	100	65	—	—	0.75	—	0.25	0.55	0.75	—	140MT-D9V-B16
2.5	1.6...2.5	88	100	65	0.5	0.5	1	—	0.37	0.75	1.1	—	140MT-D9V-B25
4	2.5...4.0	88	100	65	0.75	0.75	2	—	0.75	1.5	2.2	—	140MT-D9V-B40
6.3	4.0...6.3	88	100	65	1	1.5	3	—	1.5	2.2	3	—	140MT-D9V-B63
10	6.3...10	140	100	65	2	2	5	—	2.2	4	6.3	—	140MT-D9V-C10
16	10...16	224	100	65	3	5	10	—	4	7.5	10	—	140MT-D9V-C16
20	14.5...20	280	100	65	5	5	10	—	5.5	10	11	—	140MT-D9V-C20
25	18...25	350	65	50	5	7.5	15	—	5.5	11	15	—	140MT-D9V-C25
29	23...29	406	50	50	7.5	10	20	—	7.5	13	18.5	—	140MT-D9V-C29
32	26.5...32	448	50	50	7.5	10	20	—	7.5	15	20	—	140MT-D9V-C32
36	30...36	432	50	30	10	10	25	—	—	18.5	20	—	140MT-D9V-C36 ⁽²⁾
40	34...40	480	50	30	10	10	30	—	11	20	24	—	140MT-D9V-C40 ⁽²⁾