

# Motor Protection Circuit Breakers

## Product Selection

### Motor Protection Circuit Breakers

- Short Circuit Protection — Standard Magnetic Trip (13...14 x I<sub>e</sub>)
- Motor Overload Protection — Trip Class 10

2



Cat. No. 140M-C



Cat. No. 140M-D



Cat. No. 140M-F



Cat. No. 140-CMN

Rated Operational Current (I <sub>e</sub> ) [A]	Motor Current Adjustment Range [A]	Magnetic Trip Current [A]	Max. Short Circuit Current [kA]		Max. 3-phase Hp Ratings*				Max. kW, 3-Phase — AC-3*				Cat. No.
			400V (I <sub>cu</sub> )	480V (group motor)	200V	230V	460V	575V	230V	400/415V	500V	690V	
<b>C-Frame</b>													
0.16	0.10...0.16	2.1	100	65	—	—	—	—	—	0.02	0.06	0.06	140M-C2E-A16
0.25	0.16...0.25	3.3	100	65	—	—	—	—	—	0.04	0.09	0.09	140M-C2E-A25
0.4	0.25...0.40	5.2	100	65	—	—	—	0.25	0.06	0.09	0.12	0.18	140M-C2E-A40
0.63	0.40...0.63	8.2	100	65	—	—	0.25	0.33	0.09	0.18	0.18	0.25	140M-C2E-A63
1	0.63...1.0	13	100	65	—	—	0.5	0.75	0.18	0.25	0.37	0.55	140M-C2E-B10
1.6	1.0...1.6	21	100	65	0.25	0.33	1	1	0.25	0.55	0.75	1.1	140M-C2E-B16
2.5	1.6...2.5	33	100	65	0.5	0.75	1.5	2	0.37	0.75	1.1	1.8	140M-C2E-B25
4	2.5...4.0	52	100	65	1	1	3	3	0.75	1.5	2.2	3	140M-C2E-B40
6.3	4.0...6.3	82	100	65	1.5	2	5	5	1.5	2.2	3	4	140M-C2E-B63
10	6.3...10	130	100	65	3	3	7.5	10	2.2	4	6.3	7.5	140M-C2E-C10
16	10...16	208	65	30	5	5	10	15	4	7.5	10	13	140M-C2E-C16
20	14.5...20	260	50	30	5	7.5	15	20	5.5	10	11	17	140M-C2E-C20
25	18...25	325	15	25	7.5	7.5	20	20	5.5	11	15	22	140M-C2E-C25
29	24...29	406	15	25	7.5	10	20	25	7.5	13	18.5	25	140M-C2E-C29
32	27...32	448	15	25	7.5	10	25	30	7.5	15	20	25	140M-C2E-C32
<b>D-Frame</b>													
2.5	1.6...2.5	33	100	65	0.5	0.75	1.5	2	0.37	0.75	1.1	1.8	140M-D8E-B25
4	2.5...4.0	52	100	65	1	1	3	3	0.75	1.5	2.2	3	140M-D8E-B40
6.3	4.0...6.3	82	100	65	1.5	2	5	5	1.5	2.2	3	4	140M-D8E-B63
10	6.3...10	130	100	65	3	3	7.5	10	2.2	4	6.3	7.5	140M-D8E-C10
16	10...16	208	100	65	5	5	10	15	4	7.5	10	13	140M-D8E-C16
20	14.5...20	260	100	65	5	7.5	15	20	5.5	10	11	17	140M-D8E-C20
25	18...25	325	65	30	7.5	7.5	20	20	5.5	11	15	22	140M-D8E-C25
29	24...29	406	50	30	7.5	10	20	25	7.5	13	18.5	25	140M-D8E-C29
32	27...32	448	50	30	7.5	10	25	30	7.5	15	20	25	140M-D8E-C32
<b>F-Frame</b>													
10	6.3...10	130	100	65	3	3	7.5	10	2.2	4	6.3	7.5	140M-F8E-C10
16	10...16	208	100	65	5	5	10	15	4	7.5	10	13	140M-F8E-C16
20	14.5...20	260	100	65	5	7.5	15	20	5.5	10	11	17	140M-F8E-C20
25	18...25	325	100	65	7.5	10	20	25	6.3	11	15	22	140M-F8E-C25
32	23...32	416	65	65	7.5	10	25	30	7.5	15	20	30	140M-F8E-C32
45	32...45	585	65	65	10	15	30	40	13	22	30	40	140M-F8E-C45
<b>CMN-Frame</b>													
25	16...25	350	65	65	5	7.5	15	20	7.5	13	15	22	140-CMN-2500
40	25...40	560	65	65	10	10	30	30	11	22	25	30	140-CMN-4000
63	40...63	882	65	42	20	20	40	60	20	32	40	55	140-CMN-6300
90	63...90	1260	50	35	25	30	60	75	25	45	55	75	140-CMN-9000

\* Horsepower/kW ratings shown in the table above are for reference. The final selection of the MPCB depends on the actual motor full load current.



# Motor Protection Circuit Breakers and Motor Circuit Protectors

## Application Ratings

### UL/CSA Listed Application Ratings — Motor Protection Circuit Breaker (MPCB) Only

Cat. No.	Max. Fuse or C.B. per NEC	UL 508 — Manual Motor Controller						UL 508 Self-Protected (Type E) Combination Motor Controller		UL 489 Inverse Time C.B. w/UL 508 Motor Overload Protection	
		Group Motor Installation		Motor Disconnect		Tap Conductor Protection		Max. Short Circuit Current [kA]		Max. Short Circuit Current [kA]	
		480V	600V	480V	600V	480V	600V	480Y/277V‡	600Y/347V‡	480V	600V
<b>C-Frame</b>											
140M-C2E-A16	450	65	47	65	47	65	47	65	47	—	—
140M-C2E-A25	450	65	47	65	47	65	47	65	47	—	—
140M-C2E-A40	450	65	47	65	47	65	47	65	47	—	—
140M-C2E-A63	450	65	47	65	47	65	47	65	47	—	—
140M-C2E-B10	450	65	47	65	47	65	47	65	47	—	—
140M-C2E-B16	450	65	47	65	47	65	47	65	47	—	—
140M-C2E-B25	450	65	30	65	30	65	30	65	30	—	—
140M-C2E-B40	450	65	25	65	25	65	25	65	25	—	—
140M-C2E-B63	450	65	30	65	30	65	—	65	—	—	—
140M-C2E-C10	450	65	30	65	30	65	—	65	—	—	—
140M-C2E-C16	450	30	30	30	30	30	—	30	—	—	—
140M-C2E-C20	450	30	30	10	10	10	—	10	—	—	—
140M-C2E-C25	450	25	10	10	5	—	—	—	—	—	—
140M-C2E-C29	450	25	5	10	—	—	—	—	—	—	—
140M-C2E-C32	450	25	5	10	—	—	—	—	—	—	—
<b>D-Frame</b>											
140M-D8E-B25	450	65	30	65	30	65	30	65	30	—	—
140M-D8E-B40	450	65	30	65	30	65	30	65	30	—	—
140M-D8E-B63	450	65	30	65	30	65	30	65	30	—	—
140M-D8E-C10	450	65	30	65	30	65	30	65	30	—	—
140M-D8E-C16	450	65	30	65	30	65	30	65	30	—	—
140M-D8E-C20	450	65	30	65	30	65	—	65	—	—	—
140M-D8E-C25	450	30	30	30	30	30	—	30	—	—	—
140M-D8E-C29	450	30	30	30	18	—	—	—	—	—	—
140M-D8E-C32	450	30	30	30	18	—	—	—	—	—	—
<b>F-Frame</b>											
140M-F8E-C10	600	65	30	65	30	65	30	65	30	—	—
140M-F8E-C16	600	65	30	65	30	65	30	65	30	—	—
140M-F8E-C20	600	65	30	65	30	65	30	65	30	—	—
140M-F8E-C25	600	65	30	65	30	65	30	65	30	—	—
140M-F8E-C32	600	65	30	65	30	65	30	65	30	—	—
140M-F8E-C45	600	65	18	65	18	65	—	65	—	—	—
<b>CMN-Frame</b>											
140-CMN-2500	1000	65	42	—	—	—	—	—	—	—	—
140-CMN-4000	1000	65	42	—	—	—	—	—	—	—	—
140-CMN-6300	1000	42	18	—	—	—	—	—	—	—	—
140-CMN-9000	1000	35	10	—	—	—	—	—	—	—	—
<b>I-Frame</b>											
140M-I8E-C80	—	—	—	—	—	—	—	—	—	65	30
140M-I8E-D10	—	—	—	—	—	—	—	—	—	65	30
140M-I8E-D16	—	—	—	—	—	—	—	—	—	65	30
140M-I8E-D20	—	—	—	—	—	—	—	—	—	65	30
<b>J-Frame</b>											
140M-J2E-C50	—	—	—	—	—	—	—	—	—	25	18
140M-J2E-D10	—	—	—	—	—	—	—	—	—	25	18
140M-J2E-D16	—	—	—	—	—	—	—	—	—	25	18
140M-J2E-D25	—	—	—	—	—	—	—	—	—	25	18
140M-J8E-C50	—	—	—	—	—	—	—	—	—	65	25
140M-J8E-D10	—	—	—	—	—	—	—	—	—	65	25
140M-J8E-D16	—	—	—	—	—	—	—	—	—	65	25
140M-J8E-D25	—	—	—	—	—	—	—	—	—	65	25
<b>L-Frame</b>											
140M-L2E-D25	—	—	—	—	—	—	—	—	—	25	18
140M-L2E-D40	—	—	—	—	—	—	—	—	—	25	18
140M-L2E-D63	—	—	—	—	—	—	—	—	—	25	18
140M-L8E-D25	—	—	—	—	—	—	—	—	—	65	35
140M-L8E-D40	—	—	—	—	—	—	—	—	—	65	35
140M-L8E-D63	—	—	—	—	—	—	—	—	—	65	35

‡ For full voltage (delta) ratings above 277V or 347V, follow the NEC or CEC rules for group motor applications.



# Motor Protection Circuit Breakers and Motor Circuit Protectors

Application Ratings

## UL Listed Application Ratings - Motor Protection Circuit Breakers with Bulletin 100-K Contactors

Cat. No.	UL 508 Manual Motor Controller						UL 508 Type F Combination Motor Controller			UL 508 Type E Self-Protected Combination Motor Controller		
	Max. Fuse or C.B. per NEC	Minimum Contactor Size	Group Motor Installation		Motor Disconnect		Minimum Contactor Size	Max. Short Circuit Current [kA]		Minimum Contactor Size	Max. Short Circuit Current [kA]	
			Max. Short Circuit Current [kA]		Max. Short Circuit Current [kA]			Max. Short Circuit Current [kA]			Max. Short Circuit Current [kA]	
			480V	600V	480V	600V		480Y/277V§	600Y/347V§		480Y/277V§	600Y/347V§
<b>C-Frame</b>												
140M-C2E-A16	450	100-K05	65	47	65	47	100-K05	65	47	—	—	—
140M-C2E-A25	450	100-K05	65	47	65	47	100-K05	65	47	—	—	—
140M-C2E-A40	450	100-K05	65	47	65	47	100-K05	65	47	—	—	—
140M-C2E-A63	450	100-K05	65	47	65	47	100-K05	65	47	—	—	—
140M-C2E-B10	450	100-K05	65	47	65	47	100-K05	65	47	—	—	—
140M-C2E-B16	450	100-K05	65	47	65	47	100-K05	65	47	—	—	—
140M-C2E-B25	450	100-K05	65	30	65	30	100-K05	65	30	—	—	—
140M-C2E-B40	450	100-K05	65	30	65	30	100-K05	65	30	—	—	—
140M-C2E-B63	450	100-K05	65	30	65	30	100-K05	65	—	—	—	—
140M-C2E-C10	450	100-K09	65	30	65	30	100-K09	65	—	—	—	—
140M-C2E-C16	450	100-K12	30	30	30	30	100-K12	30	—	—	—	—
<b>D-Frame</b>												
140M-D8E-B25	450	100-K05	65	30	65	30	100-K05	65	30	—	—	—
140M-D8E-B40	450	100-K05	65	30	65	30	100-K05	65	30	—	—	—
140M-D8E-B63	450	100-K05	65	30	65	30	100-K05	65	30	—	—	—
140M-D8E-C10	450	100-K09	65	30	65	30	100-K09	65	30	—	—	—
140M-D8E-C16	450	100-K12	65	30	65	30	100-K12	65	30	—	—	—

§ For full voltage (delta) ratings above 277V or 347V, follow the NEC or CEC rules for group motor applications.

# Motor Protection Circuit Breakers and Motor Circuit Protectors

## Application Ratings

### UL Listed Application Ratings - Motor Protection Circuit Breakers with Bulletin 100-C Contactors

Cat. No.	UL 508 Manual Motor Controller						UL 508 Type F Combination Motor Controller			UL 508 Type E Self-Protected Combination Motor Controller		
	Max. Fuse or C.B. per NEC	Minimum Contactor Size	Group Motor Installation		Motor Disconnect		Minimum Contactor Size	Max. Short Circuit Current [kA]		Minimum Contactor Size	Max. Short Circuit Current [kA]	
			480V	600V	480V	600V		480Y/277V§	600Y/347V§		480Y/277V§	600Y/347V§
<b>C-Frame</b>												
140M-C2E-A16	450	100-C09	65	47	65	47	100-C09	65	47	100-C09	65	47
140M-C2E-A25	450	100-C09	65	47	65	47	100-C09	65	47	100-C09	65	47
140M-C2E-A40	450	100-C09	65	47	65	47	100-C09	65	47	100-C09	65	47
140M-C2E-A63	450	100-C09	65	47	65	47	100-C09	65	47	100-C09	65	47
140M-C2E-B10	450	100-C09	65	47	65	47	100-C09	65	47	100-C09	65	47
140M-C2E-B16	450	100-C09	65	47	65	47	100-C09	65	47	100-C09	65	47
140M-C2E-B25	450	100-C09	65	30	65	30	100-C09	65	30	100-C09	65	30
140M-C2E-B40	450	100-C09	65	30	65	30	100-C09	65	30	—	65	25
140M-C2E-B63	450	100-C09	65	30	65	30	100-C09	65	—	—	65	—
140M-C2E-C10	450	100-C09	65	30	65	30	100-C09	65	—	—	65	—
140M-C2E-C16	450	100-C12	30	30	30	25	100-C12	30	—	—	30	—
140M-C2E-C20	450	100-C16	30	30	30	30	100-C23	10	—	—	10	—
140M-C2E-C25	450	100-C23	30	30	10	10	—	—	—	—	—	—
	450	100-C30	30	30	30	30	—	—	—	—	—	—
140M-C2E-C29	450	100-C30	10	5	10	5	—	—	—	—	—	—
140M-C2E-C32	450	100-C37	10	5	10	5	—	—	—	—	—	—
<b>D-Frame</b>												
140M-D8E-B25	450	100-C09	65	30	65	30	100-C09	65	30	100-C09	65	30
	—	—	—	—	—	—	—	—	—	100-C23	65	30
140M-D8E-B40	450	100-C09	65	30	65	30	100-C09	65	30	100-C23	65	30
140M-D8E-B63	450	100-C09	65	30	65	30	100-C09	65	30	100-C30	65	30
140M-D8E-C10	450	100-C09	65	30	65	30	100-C09	65	30	100-C30	65	30
140M-D8E-C16	450	100-C12	65	30	65	30	100-C12	65	30	100-C30	65	30
140M-D8E-C20	450	100-C23	65	30	65	30	100-C23	65	—	100-C30	65	—
140M-D8E-C25	450	100-C23	65	30	65	30	100-C23	30	—	100-C30	30	—
140M-D8E-C29	450	100-C30	65	10	65	10	—	—	—	—	—	—
140M-D8E-C32	450	100-C37	65	10	65	10	—	—	—	—	—	—
<b>F-Frame</b>												
140M-F8E-C10	600	100-C30	65	30	65	30	100-C30	65	30	100-C30	65	30
140M-F8E-C16	600	100-C30	65	30	65	30	100-C30	65	30	100-C30	65	30
140M-F8E-C20	600	100-C30	65	30	65	30	100-C30	65	30	100-C30	65	30
140M-F8E-C25	600	100-C30	65	30	65	30	100-C30	65	30	100-C30	65	30
140M-F8E-C32	600	100-C30	65	30	65	30	100-C30	65	30	100-C30	65	30
140M-F8E-C45	600	100-C37	65	18	65	18	100-C37	65	—	100-C37	65	—
<b>CMN-Frame</b>												
140-CMN-2500	1000	100-C16	65	42	—	—	—	—	—	—	—	—
140-CMN-4000	1000	100-C30	65	42	—	—	—	—	—	—	—	—
140-CMN-6300	1000	100-C43	42	18	—	—	—	—	—	—	—	—
140-CMN-9000	1000	100-C72	35	10	—	—	—	—	—	—	—	—

§ For full voltage (delta) ratings above 277V or 347V, follow the NEC or CEC rules for group motor applications.



# Motor Protection Circuit Breakers and Motor Circuit Protectors

Application Ratings

## UL Listed Application Ratings - Motor Circuit Protectors with Bulletin 100-C Contactors§

Cat. No.	UL 508 Manual Motor Controller						UL 508 Type E (Self-Protected) Combination Motor Controller		
	Max. Fuse or C.B. per NEC	Minimum Contactor Size	Group Motor Installation		Motor Disconnect		Minimum Contactor Size	Max. Short Circuit Current [kA] 480Y/277V*	Max. Short Circuit Current [kA] 600Y/347V*
			Max. Short Circuit Current [kA]		Max. Short Circuit Current [kA]				
			480V	600V	480V	600V			
<b>C-Frame</b>									
140M-C2N-A16	450	100-C09	65	47	65	47	100-C09	65	47
140M-C2N-A25	450	100-C09	65	47	65	47	100-C09	65	47
140M-C2N-A40	450	100-C09	65	47	65	47	100-C09	65	47
140M-C2N-A63	450	100-C09	65	47	65	47	100-C09	65	47
140M-C2N-B10	450	100-C09	65	47	65	47	100-C09	65	47
140M-C2N-B16	450	100-C09	65	47	65	47	100-C09	65	47
140M-C2N-B25	450	100-C09	65	30	65	30	100-C09	65	—
<b>D-Frame</b>									
140M-D8N-B25	450	100-C09	65	30	65	30	100-C09	65	—
	—	—	—	—	—	—	100-C23	65	30
140M-D8N-B40	450	100-C09	65	30	65	30	100-C23	65	30
140M-D8N-B63	450	100-C09	65	30	65	30	100-C30	65	30
140M-D8N-C10	450	100-C09	65	30	65	30	100-C30	65	30
140M-D8N-C16	450	100-C12	65	30	65	30	100-C30	65	30
140M-D8N-C25	450	100-C23	30	30	30	30	100-C30	65	—
140M-D8N-C32	450	100-C37	65	10	65	10	—	—	—
<b>F-Frame</b>									
140M-F8N-C25	600	100-C23	65	30	65	30	100-C30	65	30
140M-F8N-C32	600	100-C30	65	30	65	30	100-C30	65	30
140M-F8N-C45	600	100-C37	65	18	65	18	100-C37	65	—

§ Separate overload protection is required.

\* For full-voltage (delta) ratings above 277V or 347V, follow the NEC or CEC rules for group motor applications.

2

## Definition of Type 2 Short Circuit Coordination:

- The contactor or starter must not endanger persons or plant in the event of a short circuit.
- No damage to the motor protection device or other parts may occur with the exception of welding of the contactor or starter contacts if these can be easily separated without appreciable deformation (such as with a screwdriver).

In the event of short circuit, fast-opening, current-limiting Bulletin 140M Motor Protection Circuit Breakers make it possible to build economical, fully short-circuit coordinated starter combinations with Type 2 coordination.

## Type 2 Coordination 400V

Cat. No.			Max. Short Circuit Current [kA]	For Use With Contactors Below (or larger)
Standard Motor Protection	High Inrush Motor Protection	Motor Circuit Protection	400V	
<b>C-Frame</b>				
140M-C2E-A16	—	140M-C2N-A16	100	100-C09
140M-C2E-A25	140M-C2T-A16	140M-C2N-A25	100	100-C09
140M-C2E-A40	140M-C2T-A25	140M-C2N-A40	100	100-C09
140M-C2E-A63	140M-C2T-A40	140M-C2N-A63	100	100-C09
140M-C2E-B10	140M-C2T-A63	140M-C2N-B10	100	100-C09
140M-C2E-B16	140M-C2T-B10	140M-C2N-B16	100	100-C09
140M-C2E-B25	140M-C2T-B16	140M-C2N-B25	50	100-C09
140M-C2E-B40	140M-C2T-B25	—	50	100-C09
140M-C2E-B63	140M-C2T-B40	—	50	100-C09
140M-C2E-C10	140M-C2T-B63	—	50	100-C09
140M-C2E-C16	140M-C2T-C10	—	50	100-C12*
140M-C2E-C20	140M-C2T-C16	—	50	100-C23
140M-C2E-C25	—	—	15	100-C30
140M-C2E-C29	—	—	15	100-C30
140M-C2E-C32	—	—	15	100-C37
<b>D-Frame</b>				
140M-D8E-B25	—	140M-D8N-B25	100	100-C09
140M-D8E-B40	—	140M-D8N-B40	100	100-C09
140M-D8E-B63	—	140M-D8N-B63	100	100-C09
140M-D8E-C10	—	140M-D8N-C10	65	100-C09
140M-D8E-C16	—	140M-D8N-C16	65	100-C12
140M-D8E-C20	140M-D8T-C16	—	65	100-C23
140M-D8E-C25	140M-D8T-C20	140M-D8N-C25	50	100-C23
140M-D8E-C29	—	—	65	100-C30
140M-D8E-C32	—	140M-D8N-C32	65	100-C37
<b>F-Frame</b>				
140M-F8E-C10	—	—	100	100-C09
140M-F8E-C16	—	—	100	100-C12
140M-F8E-C20	—	—	100	100-C23
140M-F8E-C25	—	140M-F8N-C25	100	100-C30
140M-F8E-C32	140M-F8T-C25	140M-F8N-C32	100	100-C30
140M-F8E-C45	140M-F8T-C32	140M-F8N-C45	100	100-C37
<b>CMN-Frame</b>				
140-CMN-2500	—	—	65	100-C16
140-CMN-4000	—	—	65	100-C30
140-CMN-6300	—	—	42	100-C43
140-CMN-9000	—	—	35	100-C72

\* Cat. No. 100-C16 contactors Type 1 only

Type 2 Coordination 480V

Cat. No.			Max. Short Circuit Current [kA]	For Use With Contactors Below (or larger)
Standard Motor Protection	High Inrush Motor Protection	Motor Circuit Protection		
<b>C-Frame</b>				
140M-C2E-A16	—	140M-C2N-A16	65	100-C09
140M-C2E-A25	140M-C2T-A16	140M-C2N-A25	65	100-C09
140M-C2E-A40	140M-C2T-A25	140M-C2N-A40	65	100-C09
140M-C2E-A63	140M-C2T-A40	140M-C2N-A63	65	100-C09
140M-C2E-B10	140M-C2T-A63	140M-C2N-B10	65	100-C09
140M-C2E-B16	140M-C2T-B10	140M-C2N-B16	65	100-C09
140M-C2E-B25	140M-C2T-B16	140M-C2N-B25	50	100-C16
140M-C2E-B40	140M-C2T-B25	—	50	100-C30
140M-C2E-B63	140M-C2T-B40	—	50	100-C30
140M-C2E-C10	140M-C2T-B63	—	50	100-C30
140M-C2E-C16	140M-C2T-C10	—	10	100-C30
140M-C2E-C20	140M-C2T-C16	—	10	100-C30
140M-C2E-C25	—	—	10	100-C30
140M-C2E-C29	—	—	10	100-C30
140M-C2E-C32	—	—	10	100-C37
<b>D-Frame</b>				
140M-D8E-B25	—	140M-D8N-B25	65	100-C09
140M-D8E-B40	—	140M-D8N-B40	65	100-C09
140M-D8E-B63	—	140M-D8N-B63	65	100-C09
140M-D8E-C10	—	140M-D8N-C10	65	100-C09
140M-D8E-C16	—	140M-D8N-C16	65	100-C12
140M-D8E-C20	140M-D8T-C16	—	65	100-C23
140M-D8E-C25	140M-D8T-C20	140M-D8N-C25	65	100-C23
140M-D8E-C29	—	—	65	100-C30
140M-D8E-C32	—	140M-D8N-C32	65	100-C37
<b>F-Frame</b>				
140M-F8E-C10	—	—	65	100-C09
140M-F8E-C16	—	—	65	100-C12
140M-F8E-C20	—	—	65	100-C23
140M-F8E-C25	—	140M-F8N-C25	65	100-C30
140M-F8E-C32	140M-F8T-C25	140M-F8N-C32	65	100-C30
140M-F8E-C45	140M-F8T-C32	140M-F8N-C45	65	100-C37
<b>CMN-Frame</b>				
140-CMN-2500	—	—	65	100-C16
140-CMN-4000	—	—	65	100-C30
140-CMN-6300	—	—	42	100-C43
140-CMN-9000	—	—	35	100-C72



# Motor Circuit Protectors

## Application Ratings

### Type 2 Coordination 600V

Cat. No.			Max. Short Circuit Current [kA]	For Use With Contactors Below (or larger)
Standard Motor Protection	High Inrush Motor Protection	Motor Circuit Protection		
<b>C-Frame</b>				
140M-C2E-A16	—	140M-C2N-A16	47	100-C09
140M-C2E-A25	140M-C2T-A16	140M-C2N-A25	47	100-C09
140M-C2E-A40	140M-C2T-A25	140M-C2N-A40	47	100-C09
140M-C2E-A63	140M-C2T-A40	140M-C2N-A63	47	100-C09
140M-C2E-B10	140M-C2T-A63	140M-C2N-B10	47	100-C09
140M-C2E-B16	140M-C2T-B10	140M-C2N-B16	47	100-C09
140M-C2E-B25	140M-C2T-B16	140M-C2N-B25	10	100-C16
140M-C2E-B40	140M-C2T-B25	—	10	100-C16
140M-C2E-B63	140M-C2T-B40	—	5	100-C23
140M-C2E-C10	140M-C2T-B63	—	5	100-C30
140M-C2E-C16	140M-C2T-C10	—	5	100-C30
140M-C2E-C20	140M-C2T-C16	—	5	100-C30
140M-C2E-C25	—	—	5	100-C30
140M-C2E-C29	—	—	5	100-C30
140M-C2E-C32	—	—	5	100-C37
<b>D-Frame</b>				
140M-D8E-B25	—	140M-D8N-B25	30	100-C30
140M-D8E-B40	—	140M-D8N-B40	30	100-C30
140M-D8E-B63	—	140M-D8N-B63	30	100-C30
140M-D8E-C10	—	140M-D8N-C10	30	100-C30
140M-D8E-C16	—	140M-D8N-C16	30	100-C30
140M-D8E-C20	140M-D8T-C16	—	5	100-C30
140M-D8E-C25	140M-D8T-C20	140M-D8N-C25	5	100-C30
140M-D8E-C29	—	—	10	100-C30
140M-D8E-C32	—	140M-D8N-C32	10	100-C37
<b>F-Frame</b>				
140M-F8E-C10	—	—	30	100-C30
140M-F8E-C16	—	—	30	100-C30
140M-F8E-C20	—	—	30	100-C30
140M-F8E-C25	—	140M-F8N-C25	30	100-C30
140M-F8E-C32	140M-F8T-C25	140M-F8N-C32	30	100-C30
140M-F8E-C45	140M-F8T-C32	140M-F8N-C45	10	100-C37
<b>CMN-Frame</b>				
140-CMN-2500	—	—	42	100-C16
140-CMN-4000	—	—	42	100-C30
140-CMN-6300	—	—	18	100-C43
140-CMN-9000	—	—	10	100-C72