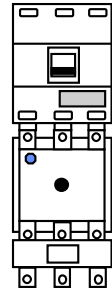


Short Circuit Coordination

Starting: Direct-on-Line & Reversing
 S.C. Protective Device: **140M Motor Circuit Protector (MCP)**
UL 489 - Magnetic Only
 Contactor: 100-C, 100-D
 Overload Relay: 193-E1 Plus, E3 & E3 Plus
 Rated Operational Voltage: **460V 60Hz (480V Line)**
 Test Voltage: 483V 60Hz
 Rated Conditional S.C. Current (Iq): **65kA**
 Level of S.C. Coordination: Type "1" or "2" per IEC 60947-4
 UL 508 High Fault SCCR



Motor		Circuit Breaker		Contactor	Overload Relay		IEC Coordination	
3 ph [HP]	1500 rpm Per NEC [A]	Catalog Number (Max)	Magnetic Setting [A]	Catalog Number	Catalog Number [2]	Thermal Setting [A]	Coordination Type	Test Summary Letter
1/2	0.9	140M-H8P-C50	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
3/4	1.3	140M-H8P-C50	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
1	1.7	140M-H8P-C50	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
1 1/2	2.4	140M-H8P-C50	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
2	2.7	140M-H8P-C50	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
3	3.9	140M-H8P-C50	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
5	6.1	140M-H8P-C50	3 - 10X	100-C30*10	193-EEDB	5.4 - 27	Type 2	---
7 1/2	9.0	140M-H8P-C50	3 - 10X	100-C30*10	193-EEDB	5.4 - 27	Type 2	---
10	11	140M-H8P-C50	3 - 10X	100-C30*10	193-EEDB	5.4 - 27	Type 2	---
15	17	140M-H8P-C50	3 - 10X	100-C30*10	193-EEDB	5.4 - 27	Type 2	---
20	22	140M-H8P-C50	3 - 10X	100-C30*10	193-EEDB	5.4 - 27	Type 2	---
25	27	140M-H8P-C50	3 - 10X	100-C37*10	193-EEFD	9.0 - 45	Type 2	---
30	32	140M-H8P-C50	3 - 10X	100-C43*10	193-EEFD	9.0 - 45	Type 2	---
40	41	140M-H8P-D10	3 - 10X	100-C60*10	193-EEGE	18 - 90	Type 2	---
50	52	140M-H8P-D10	3 - 10X	100-C72*10	193-EEGE	18 - 90	Type 2	---
60	62	140M-H8P-D10	3 - 10X	100-C85*10	193-EEGE	18 - 90	Type 2	---
75	77	140M-H8P-D10	3 - 10X	100-D95*11	193-EEHF	30 - 150	Type 1 [1]	---
100	99	140M-H8P-D10	3 - 10X	100-D110*11	193-EEHF	30 - 150	Type 1 [1]	---
125	125	140M-J8P-D20	3 - 10X	100-D140*11	193-EEHF	30 - 150	Type 1 [1]	---
150	144	140M-J8P-D20	3 - 10X	100-D180*11	193-EEJF	40 - 200	Type 1 [1]	---
200	192	140M-J8P-D25	3 - 10X	100-D210*11	193-EEKG	60 - 300	Type 2	---
250	242	140M-K8P-D40	3 - 10X	100-D250*11	193-EEKG	60 - 300	Type 1	---
300	289	140M-K8P-D40	3 - 10X	100-D300*11	193-EEKG	60 - 300	Type 1	---
400	382	140M-L8P-D60	3 - 10X	100-D420*11	193-EELG	100 - 500	Type 1	---
500	590	140M-L8P-D60	3 - 10X	100-D630*11	193-EC*KH	125..630	Type 1	---
600	702	140M-N8P-E12	3 - 10X	100-D860*11	193-EC*LH	172..860	Type 1	---
900	1032	140M-N8P-E12	3 - 10X	100-G1200*22	193-EC*ZZ [3]	9..5000	Type 1	---

[1] Type 2 Coordination when contactor is upsized to 100-D210

[2] Data applies to 193-E1 Plus, E3 & E3 Plus

[3] External current transformers required