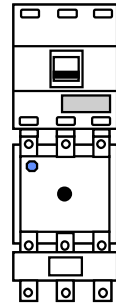


Short Circuit Coordination

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: **415V 50Hz**
 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	1500 rpm	Catalog Number	Magnetic Setting	Catalog Number	Catalog Number	Thermal Setting	Coordination Type	Test Summary Letter
[kW]	[A]	(Max)	[A]		[2]	[A]		
4	9	140M-H8P-C50	3 - 10X	100-C30*10	193-EEED	3.2 - 16	Type 2	---
5.5	12	140M-H8P-C50	3 - 10X	100-C30*10	193-EEED	3.2 - 16	Type 2	---
7.5	16	140M-H8P-C50	3 - 10X	100-C30*10	193-EEFD	9 - 45	Type 2	---
11	23	140M-H8P-C50	3 - 10X	100-C30*10	193-EEFD	9 - 45	Type 2	---
15	30	140M-H8P-C50	3 - 10X	100-C30*10	193-EEFD	9 - 45	Type 2	---
20	37	140M-H8P-C50	3 - 10X	100-C37*10	193-EEFD	9 - 45	Type 2	---
22	43	140M-H8P-C50	3 - 10X	100-C43*10	193-EEFD	9 - 45	Type 2	---
32	60	140M-H8P-D10	3 - 10X	100-C60*10	193-EEGE	18 - 90	Type 2	---
40	72	140M-H8P-D10	3 - 10X	100-C72*10	193-EEGE	18 - 90	Type 2	---
45	85	140M-H8P-D10	3 - 10X	100-C85*10	193-EEGE	18 - 90	Type 2	---
55	95	140M-H8P-D10	3 - 10X	100-D95*11	193-EEHF	30 - 150	Type 1 [1]	---
63	110	140M-H8P-D10	3 - 10X	100-D110*11	193-EEHF	30 - 150	Type 1 [1]	---
82	140	140M-J8P-D20	3 - 10X	100-D140*11	193-EEHF	30 - 150	Type 1 [1]	---
105	180	140M-J8P-D20	3 - 10X	100-D180*11	193-EEJF	40 - 200	Type 1 [1]	---
122	210	140M-J8P-D25	3 - 10X	100-D210*11	193-EEKG	60 - 300	Type 2	---
145	250	140M-K8P-D40	3 - 10X	100-D250*11	193-EEKG	60 - 300	Type 1	---
176	300	140M-K8P-D40	3 - 10X	100-D300*11	193-EEJG	100 - 500	Type 1	---
250	420	140M-L8P-D60	3 - 10X	100-D420*11	193-EEJG	100 - 500	Type 1	---

[1] Type 2 Coordination when contactor is upsized to 100-D210
 [2] Data applies to 193-E1 Plus, E3 & E3 Plus