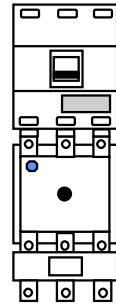


# Short Circuit Coordination

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: **440V 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
P(kW)	In(A)	(Max)	[A]		[2]	[A]		
0.03	0.11	140M-H8P-B30	3 - 10X	100-C30*10	TBD	TBD	Type 2	---
0.09	0.23	140M-H8P-B30	3 - 10X	100-C30*10	TBD	TBD	Type 2	---
0.12	0.50	140M-H8P-B30	3 - 10X	100-C30*10	TBD	TBD	Type 2	---
0.37	1.0	140M-H8P-B30	3 - 10X	100-C30*10	TBD	TBD	Type 2	---
0.55	1.4	140M-H8P-B30	3 - 10X	100-C30*10	TBD	TBD	Type 2	---
0.75	1.7	140M-H8P-B30	3 - 10X	100-C30*10	TBD	TBD	Type 2	---
1.1	2.2	140M-H8P-B70	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
1.5	3.7	140M-H8P-B70	3 - 10X	100-C30*10	193-EECD	1.0 - 5.0	Type 2	---
2.2	4.5	140M-H8P-C15	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
3.0	5.9	140M-H8P-C15	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
3.7	8.0	140M-H8P-C15	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
4.5	8.3	140M-H8P-C15	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
5.5	10.4	140M-H8P-C30	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
7.5	13.7	140M-H8P-C30	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
9.2	16.7	140M-H8P-C30	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
11	20	140M-H8P-C50	3 - 10X	100-C30*10	193-EEED	5.4 - 27	Type 2	---
15	27	140M-H8P-C50	3 - 10X	100-C37*10	193-EEFD	9 - 45	Type 2	---
18.5	32	140M-H8P-C50	3 - 10X	100-C37*10	193-EEFD	9 - 45	Type 2	---
22	38	140M-H8P-D10	3 - 10X	100-C85*10	193-EEGE	18 - 90	Type 2	---