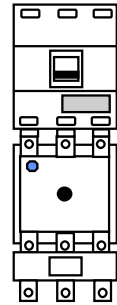


Short Circuit Coordination

Starting: Direct-on-Line & Reversing
 S.C. Protective Device: **140U Molded Case Circuit Breakers (MCCB)
 UL 489 - Thermal-Magnetic**
 Contactor: 100-C, 100-D
 Overload Relay: 193-E1 Plus, E3 & E3 Plus
 Rated Operational Voltage: **575V 60Hz (600V Line)**
 Test Voltage: 604V 60Hz
 Rated Conditional S.C. Current (Iq): **30kA**
 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	140U-H6C3-C50	500	100-C30*10	193-EECD	1.0 - 5.0	Type 1 [3]	---
3/4	1.3	140U-H6C3-C50	500	100-C30*10	193-EECD	1.0 - 5.0	Type 1 [3]	---
1	1.7	140U-H6C3-C50	500	100-C30*10	193-EECD	1.0 - 5.0	Type 1 [3]	---
1 1/2	2.4	140U-H6C3-C50	500	100-C30*10	193-EECD	1.0 - 5.0	Type 1 [3]	---
2	2.7	140U-H6C3-C50	500	100-C30*10	193-EECD	1.0 - 5.0	Type 1 [3]	---
3	3.9	140U-H6C3-C50	500	100-C30*10	193-EECD	1.0 - 5.0	Type 1 [3]	---
5	6.1	140U-H6C3-C50	500	100-C30*10	193-EEEDB	5.4 - 27	Type 1 [3]	---
7 1/2	9.0	140U-H6C3-C50	500	100-C30*10	193-EEEDB	5.4 - 27	Type 1 [3]	---
10	11	140U-H6C3-C50	500	100-C30*10	193-EEEDB	5.4 - 27	Type 1 [3]	---
15	17	140U-H6C3-C50	500	100-C30*10	193-EEEDB	5.4 - 27	Type 1 [3]	---
20	22	140U-H6C3-C50	500	100-C30*10	193-EEEDB	5.4 - 27	Type 1 [3]	---
25	27	140U-H6C3-C50	500	100-C30*10	193-EEFD	9.0 - 45	Type 1 [3]	---
30	32	140U-H6C3-C50	500	100-C37*10	193-EEFD	9.0 - 45	Type 1 [3]	---
30	32	140U-H6C3-C50	500	100-C43*10	193-EEFD	9.0 - 45	Type 1 [3]	---
40	41	140U-H6C3-D11	1100	100-C60*10	193-EEGE	18 - 90	Type 1	---
50	52	140U-H6C3-D11	1100	100-C60*10	193-EEGE	18 - 90	Type 1	---
60	62	140U-H6C3-D11	1100	100-C72*10	193-EEGE	18 - 90	Type 1	---
60	62	140U-H6C3-D11	1100	100-C85*10	193-EEGE	18 - 90	Type 1	---
75	77	140U-H6C3-D11	1100	100-D95*11	193-EEHF	30 - 150	Type 1 [1]	---
100	99	140U-H6C3-D11	1100	100-D110*11	193-EEHF	30 - 150	Type 1 [1]	---
125	125	140U-J6*3-D20	5 - 10X	100-D140*11	193-EEHF	30 - 150	Type 1 [1]	---
150	144	140U-J6*3-D20	5 - 10X	100-D180*11	193-EEJF	40 - 200	Type 1 [1]	---
200	192	140U-J6*3-D25	5 - 10X	100-D210*11	193-EEKG	60 - 300	Type 2	---
250	242	140U-K6*3-D40	5 - 10X	100-D250*11	193-EEKG	60 - 300	Type 1	---
300	289	140U-K6*3-D40	5 - 10X	100-D300*11	193-EEKG	60 - 300	Type 1	---
400	382	140U-L6*3-D60	5 - 10X	100-D420*11	193-EELG	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

[3] Type 2 when short circuit available \leq 50kA