

Technical Information

Manual Motor Controller (UL508)

● MMS 32S

Rated operational current I _e [A]		0.16	0.25	0.4	0.63	1	1.6	2.5	4	6	8	10	13	17	22	26	32	
Max. short-circuit current																		
240V	[kA]	100	100	100	100	100	100	100	100	100	100	50	50	40	30	30	20	
480Y/277V	[kA]	50	50	50	50	50	50	50	50	25	25	10	10	10	10	7.5	7.5	
600Y/347V	[kA]	10	10	10	10	10	10	10	5	5	5	5	5	5	5	5	5	
Motor load																		
1 Phase	115V	[HP]	-	-	-	-	-	-	1/8	1/4	1/3	1/2	1/2	1	2	2	2	
	230V	[HP]	-	-	-	-	-	1/10	1/6	1/3	3/4	1	1½	2	3	3	5	
3 Phase	230V	[HP]	-	-	-	-	-	1/3	1/2	1	1½	2	3	3	5	7½	7½	10
	460V	[HP]	-	-	-	-	1/2	3/4	1½	2	5	5	7½	7½	10	15	15	20
	575V	[HP]	-	-	-	-	1/2	1	1½	3	5	5	10	10	15	20	20	30
Max. fuse size	[A]	1	1	1	1	3	6	10	15	20	30	40	50	60	80	100	125	
Max. breaker size	[A]	15	15	15	15	15	15	15	15	20	30	40	50	60	80	100	125	

● MMS 32H

Rated operational current I _e [A]		0.16	0.25	0.4	0.63	1	1.6	2.5	4	6	8	10	13	17	22	26	32	
Max. short-circuit current																		
240V	[kA]	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
480Y/277V	[kA]	50	50	50	50	50	50	50	50	50	50	50	50	35	35	35	35	
600Y/347V	[kA]	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Motor load																		
1 Phase	115V	[HP]	-	-	-	-	-	-	1/8	1/4	1/3	1/2	1/2	1	2	2	2	
	230V	[HP]	-	-	-	-	-	1/10	1/6	1/3	3/4	1	1½	2	3	3	5	
3 Phase	230V	[HP]	-	-	-	-	-	1/3	1/2	1	1½	2	3	3	5	7½	7½	10
	460V	[HP]	-	-	-	-	1/2	3/4	1½	2	5	5	7½	7½	10	15	15	20
	575V	[HP]	-	-	-	-	1/2	1	1½	3	5	5	10	10	15	20	20	30
Max. fuse size	[A]	1	1	1	1	3	6	10	15	20	30	40	50	60	80	100	125	
Max. breaker size	[A]	15	15	15	15	15	15	15	15	20	30	40	50	60	80	100	125	

● MMS 63S

Rated operational current I _e [A]		10	13	17	22	26	32	40	50	63	
Max. short-circuit current											
240V	[kA]	100	100	100	100	100	100	100	100	100	
480Y/277V	[kA]	25	25	25	25	25	25	25	25	25	
600Y/347V	[kA]	10	10	10	10	10	10	10	10	10	
Motor load											
1 Phase	115V	[HP]	1/2	1/2	1	2	2	3	3	5	5
	230V	[HP]	1½	2	3	3	5	5	7½	10	15
3 Phase	230V	[HP]	3	3	5	7½	10	10	15	15	20
	460V	[HP]	7½	7½	10	15	20	25	30	40	50
	575V	[HP]	10	10	15	20	25	30	40	50	60
Max. fuse size	[A]	40	50	60	80	100	125	150	200	250	
Max. breaker size	[A]	40	50	60	80	100	125	150	200	250	

● MMS 63H



Rated operational current I _e [A]		10	13	17	22	26	32	40	50	63	
Max. short-circuit current											
240V	[kA]	100	100	100	100	100	100	100	100	100	
480Y/277V	[kA]	50	50	50	50	50	50	50	50	50	
600Y/347V	[kA]	10	10	10	10	10	10	10	10	10	
Motor load											
1 Phase	115V	[HP]	1/2	1/2	1	2	2	3	3	5	5
	230V	[HP]	1½	2	3	3	5	5	7½	10	15
3 Phase	230V	[HP]	3	3	5	7½	10	10	15	15	20
	460V	[HP]	7½	7½	10	15	20	25	30	40	50
	575V	[HP]	10	10	15	20	25	30	40	50	60
Max. fuse size	[A]	40	50	60	80	100	125	150	200	250	
Max. breaker size	[A]	40	50	60	80	100	125	150	200	250	

● MMS 100S



Rated operational current I _e [A]		17	22	26	32	40	50	63	75	90	100	
Max. short-circuit current												
240V	[kA]	100	100	100	100	100	100	100	100	100	100	
480Y/277V	[kA]	25	25	25	25	25	25	25	25	25	25	
600Y/347V	[kA]	10	10	10	10	10	10	10	10	10	10	
Motor load												
1 Phase	115V	[HP]	1	1½	2	3	3	5	5	7½	10	10
	230V	[HP]	3	3	5	5	7½	10	15	15	20	20
3 Phase	230V	[HP]	5	7½	10	10	15	15	20	25	30	40
	460V	[HP]	10	15	20	25	30	40	50	60	75	75
	575V	[HP]	15	20	25	30	40	50	60	75	100	100
Max. fuse size	[A]	60	80	100	125	150	200	250	300	350	400	
Max. breaker size	[A]	60	80	100	125	150	200	250	300	350	400	

● MMS 100H



Rated operational current I _e [A]		17	22	26	32	40	50	63	75	90	100	
Max. short-circuit current												
240V	[kA]	100	100	100	100	100	100	100	100	100	100	
480Y/277V	[kA]	50	50	50	50	50	50	50	50	50	50	
600Y/347V	[kA]	10	10	10	10	10	10	10	10	10	10	
Motor load												
1 Phase	115V	[HP]	1	1½	2	3	3	5	5	7½	10	10
	230V	[HP]	3	3	5	5	7½	10	15	15	20	20
3 Phase	230V	[HP]	5	7½	10	10	15	15	20	25	30	40
	460V	[HP]	10	15	20	25	30	40	50	60	75	75
	575V	[HP]	15	20	25	30	40	50	60	75	100	100
Max. fuse size	[A]	60	80	100	125	150	200	250	300	350	400	
Max. breaker size	[A]	60	80	100	125	150	200	250	300	350	400	