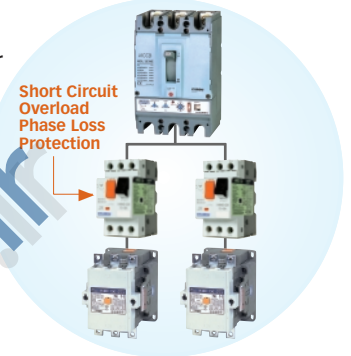




HYUNDAI Manual Motor Starter

Hyundai Manual Motor Starter, HMMS series, realizes the function of molded case circuit breaker and thermal overload relay in one module. It enables perfect protection for overload, phase loss, short circuit and infrequent start control of 3-phase motors.

HMMS series also can be used for the protection of distribution line as well as satisfied with the international standard IEC60947-2 and IEC60947-4-1.

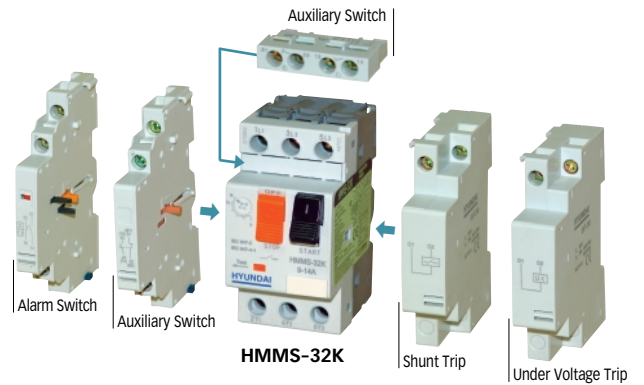


Ratings

Model		HMMS-32K										HMMS-80K																								
Rated Insulation Voltage (Ui)		AC690V										AC690V																								
Rated Operation Voltage (Ue)		AC690V										AC690V																								
Rated Impulse Withstand Voltage (Uimp)		6kV										6kV																								
Electrical/Mechanical Lifetime		100,000 times										30,000 times																								
Rated Current (A)	Setting Range (A)	Rated Breaking Capacity (kA)										Rated Current (A)	Setting Range (A)	Rated Breaking Capacity (kA)																						
		AC230/240V		AC400/415V		AC440V		AC500V		AC690V				AC230/240V		AC400/415V		AC440V		AC500V		AC690V														
		Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics			Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics			
0.16	0.1-0.16	100	100	100	100	100	100	100	100	100	100																									
0.25	0.16-0.25	100	100	100	100	100	100	100	100	100	100																									
0.4	0.25-0.4	100	100	100	100	100	100	100	100	100	100	40	25-40	100	100	50	25	50	25	10	5	5	3													
0.63	0.4-0.63	100	100	100	100	100	100	100	100	100	100																									
1	0.63-1	100	100	100	100	100	100	100	100	100	100																									
1.6	1-1.6	100	100	100	100	100	100	100	100	100	100																									
2.5	1.6-2.5	100	100	100	100	100	100	100	100	100	3	2.25																								
4	2.5-4	100	100	100	100	100	100	100	100	100	3	2.25	63	40-63	100	100	50	25	50	25	10	5	5	3												
6.3	4-6.3	100	100	100	100	50	50	50	50	3	2.25																									
10	6-10	100	100	100	100	15	15	10	10	3	2.25																									
14	9-14	100	100	15	7.5	8	4	6	4.5	3	2.25																									
18	13-18	100	100	15	7.5	8	4	6	4.5	3	2.25																									
23	17-23	50	50	15	6	6	3	4	3	3	2.25	80	56-80	100	100	15	7.5	10	6	4	4	2	2													
25	20-25	50	50	15	6	6	3	4	3	3	2.25																									
32	24-32	50	50	10	5	6	3	4	3	3	2.25																									

Accessories

Item	Order Code	Specification	Mounting	Application
Auxiliary Switch	MMS32K AUX T11	1NO+1NC	Top side	HMMS-32K
	MMS32K AUX S11	1NO+1NC	Left side	
	MMS32K AUX S20	2NO		
	MMS80K AUX S11	1NO+1NC	Left side	
	MMS80K AUX S20	2NO		
Alarm Switch	MMS32K AXT 1010	1NO (Alarm), 1NO (Aux.)	Left side	HMMS-32K
	MMS32K AXT 1001	1NO (Alarm), 1NC (Aux.)		
	MMS32K AXT 0110	1NC (Alarm), 1NO (Aux.)		
	MMS32K AXT 0101	1NC (Alarm), 1NC (Aux.)		
Shunt Trip	MMS32K SHT 240	AC220/240V	Right side	HMMS-32K
Under Voltage Trip	MMS32K UVT 240	AC220/240V		



Application for 3-phase Motors, AC-3

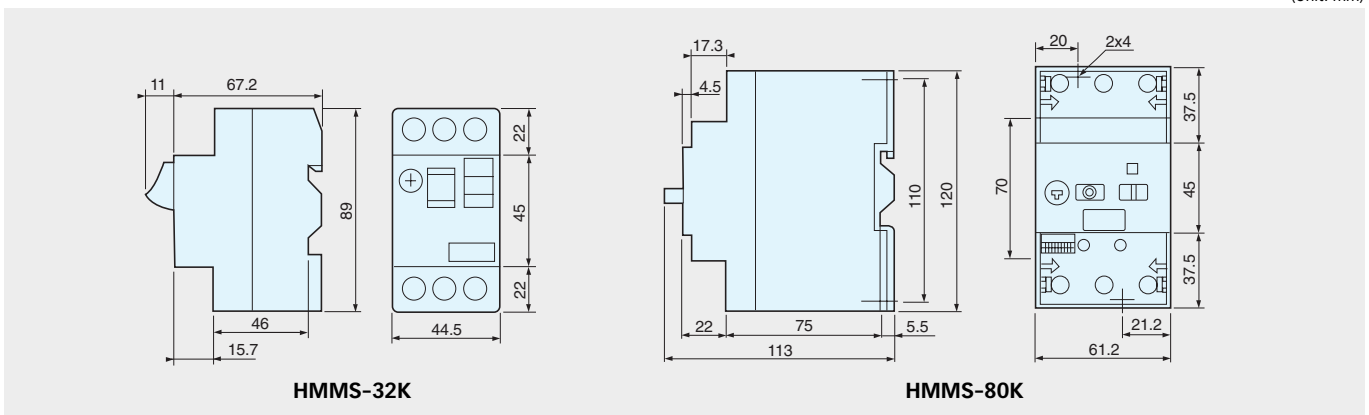
Rated Current (A)	Setting Range (A)	3-Phase [kW] (50/60Hz)					
		AC230/240V	400V	415V	440V	500V	690V
0.16	0.1-0.16	-	-	-	-	-	-
0.25	0.16-0.25	-	0.06	0.06	-	-	-
0.4	0.25-0.4	-	0.09	0.09	-	-	-
0.63	0.4-0.63	-	0.12	0.12	0.2	0.25	0.37
1	0.63-1	-	0.25	0.25	0.5	0.5	0.55
1.6	1-1.6	-	0.37	0.37	0.55	0.75	1.1
2.5	1.6-2.5	0.5	0.75	0.75	1.1	1.1	1.5
4	2.5-4	0.5	1.5	1.5	2	2.2	3
6.3	4-6.3	1.1	2.2	2.2	3	3.7	4
10	6-10	2.2	4	4	5	5.5	7.5
14	9-14	3	5.5	5.5	7.5	7.5	9
18	13-18	5	7.5	7.5	9	9	15
23	17-23	6.5	11	11	11	11	18.5
25	20-25	6.5	11	11	15	15	18.5
32	24-32	10	15	15	18.5	20	22
40	25-40	10	20	20	25	30	30
63	40-63	20	30	35	40	50	60
80	56-80	25	35	40	50	55	60

Order Information

Code	Rated Current Setting Range (A)	Unit (EA)	Category
MMS32K 0P16	0.1-0.16	50	MMS CM
MMS32K 0P25	0.16-0.25		
MMS32K 0P40	0.25-0.4		
MMS32K 0P63	0.4-0.63		
MMS32K 1P00	0.63-1		
MMS32K 01P6	1-1.6		
MMS32K 02P5	1.6-2.5		
MMS32K 0004	2.5-4		
MMS32K 06P3	4-6.3		
MMS32K 0010	6-10		
MMS32K 0014	9-14		
MMS32K 0018	13-18		
MMS32K 0023	17-23		
MMS32K 0025	20-25		
MMS32K 0032	24-32		
MMS80K 0040	25-40		
MMS80K 0063	40-63		
MMS80K 0080	56-80		

Dimensions

(Unit: mm)



021-3311-768 - 038-7-3388