

Product Selection Guide



Terminal cover detachable type



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Frame		32AF																							
Type	Current adjustable type	MMS-32D				MMS-32S				MMS-32H															
	Instantaneous type	-				-				-															
Breaking capacity		-				Standard				High breaking															
Handle type		Button				Toggle				Rotary															
Number of poles		3				3				3															
Rated operational voltage (Ue)		AC 400/415V				Up to 690V				Up to 690V															
Rated frequency		50/60Hz				50/60 Hz				50/60 Hz															
Rated insulation voltage (Ui)		690V				690V				690V															
Rated impulse voltage (Uimp)		6kV				6kV				6kV															
Utilization category IEC 60 947-2 (Breaker)		Cat. A				Cat. A				Cat. A															
Utilization category IEC 60 947-4 (Motor starter)		AC 3				AC 3				AC 3															
Mechanical endurance (Operating)		100,000				100,000				100,000															
Electrical endurance (Cycles)		100,000				100,000				100,000															
Max operating frequency per hour (Ope./h)		25				25				25															
Temperature compensation (Operation)		-5 ~ +40°C				-20 ~ +60°C				-20 ~ +60°C															
Instantaneous short circuit release		14.4 × I _{le} max.				13 × I _{le} max.				13 × I _{le} max.															
Overload protection		○				○				MMS-32H(○), MMS-32HI(x)															
Phase failure function		○				○				MMS-32H(○), MMS-32HI(x)															
Trip indicating function		×				×				○															
Test function		○				○				○															
Certification		CE, CCC				CE, CCC, UL, EAC, Marine, KC																			
Weight (g)		285				320				360															
Rated breaking capacity (kA)	Rated operational current (I _e) / (MMS-32D)	415V 400V		240V 230V 220V		415V 400V		460V 440V		525V 500V		690V 600V		240V 230V 220V		415V 400V		460V 440V		525V 500V		690V 600V			
	Thermal release adjustment range (I _e) / (MMS-32D)	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}		
	0.16	0.1~0.16	100	100	100	100	100	100	100	100	100	100	100	100	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	100	100	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	100	100	100	100	100	100	100	100	100	100	100	100	
	0.63	0.4~0.63	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	1	0.63~1	100	100	100	100	100	100	100	100	100	100	100	100	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	100	3	3	100	100	100	100	100	100	100	100	100	
	2.5	1.6~2.5	100	100	100	100	100	100	100	100	50	38	3	3	100	100	100	100	100	100	100	100	100	8	8
	4	2.5~4	100	100	100	100	100	100	50	38	15	11	3	3	100	100	100	100	100	100	100	100	100	8	8
	6/(6.3)	4~6/(4~6.3)	100	100	100	100	100	100	15	11	10	8	3	3	100	100	100	100	100	100	100	100	100	6	6
	8	5~8	-	-	100	100	100	100	15	11	10	8	3	3	100	100	100	100	50	38	50	38	6	6	
	10	6~10	100	100	100	100	50	38	15	11	6	5	3	3	100	100	100	100	50	38	50	38	6	6	
	13/(14)	9~13/(9~14)	15	7.5	100	100	50	38	10	8	6	5	3	3	100	100	100	100	50	38	42	32	6	6	
	17/(18)	11~17/(13~18)	15	7.5	50	38	20	15	10	8	6	5	3	3	100	100	50	38	25	15	10	8	4	4	
	22/(23)	14~22/(17~23)	15	6	40	30	15	11	8	6	6	5	3	3	100	100	50	38	25	15	10	8	4	4	
	26/(25)	18~26/(20~25)	15	6	40	30	15	11	8	6	5	4	3	3	100	100	50	38	25	15	10	8	4	4	
	32	22~32/(24~32)	10	6	30	22	15	11	6	4	5	4	3	3	100	100	50	38	25	15	10	8	4	4	
	40	28~40	-	-	20	15	10	8	5	3	4	3	2	2	100	100	40	30	15	11	8	6	3	3	
	50	34~50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
63	45~63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
65	47~65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
75	55~75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
90	70~90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100	80~100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Note) Safety certification is obtained based on 220V and 460V.

Note) There is no current adjustment range for HI products. (Refer to page 14 for Model and Rating)