

# Table of specifications

## MC type Magnetic Contactors



Frame size			18AF				22AF				
Type	screws clamp terminals		MC-6a	MC-9a	MC-12a	MC-18a	MC-9b	MC-12b	MC-18b	MC-22b*	
Number of poles			3pole				3pole				
Rated operational voltage, Ue			690V				690V				
Rated insulation voltage, Ui			690V				690V				
Rated frequency			50/60Hz				50/60Hz				
Rated impulse withstand voltage, Uimp			6kV				6kV				
Maximum operating rate in operating cycles per hour(AC3)			1800 operations per hour				1800 operations per hour				
Durability	Mechanical		15 mil. operations				15 mil. operations				
	Electrical		2.5 mil. operations				2.5 mil. operations				
Current and power	AC-1, Thermal current	A	25	25	25	32	25	25	32	40	
		kW	2.2	2.5	3.5	4.5	2.5	3.5	4.5	5.5	
	AC-3	200/240V	A	9	11	13	18	11	13	18	22
		kW	3	4	5.5	7.5	4	5.5	7.5	11	
	380/440V	A	7	9	12	18	9	12	18	22	
		kW	3	4	7.5	7.5	4	7.5	7.5	15	
	500/550V	A	6	7	12	13	7	12	13	20	
		kW	3	4	7.5	7.5	4	7.5	7.5	15	
690V	A	4	5	9	9	6	9	9	18		
	kW	3	4	7.5	7.5	4	7.5	7.5	15		
UL rating (50/60Hz)	Continuous current	A	25	25	25	32	25	25	40	40	
		Single phase	110~120V	HP	0.5	0.5	0.75	1	0.5	0.75	1
	220~240V	HP	1.5	1.5	2	3	1.5	2	3	3	
		HP	2	2	3	5	2	3	5	7.5	
	Three phase	220~240V	HP	3	3	5	7.5	3	5	7.5	10
		440~480V	HP	5	5	7.5	10	5	7.5	10	15
	550~600V	HP	7.5	7.5	10	15	7.5	10	15	20	
		NEMA size		00	00	0	0	00	00	0	1
Size and weight	AC control	Weight	0.33				0.34				
		Size(W × H × D) mm	45 × 73.5 × 82				45 × 73.5 × 86				
	DC control	Weight	0.5				0.51				
		Size(W × H × D) mm	45 × 83 × 113.7				45 × 73.5 × 117.7				
Auxiliary(standard)			<b>1a or 1b</b>				<b>1a1b</b>				
Auxiliary	Side mount			UA-1				UA-1			
	Front mount			AU-2, AU-4				AU-2, AU-4			

Note) Minimum conduct current of Auxiliary contactor is DC 17V 5mA.

## MT type Thermal Overload Relays



Type			MT-12/□	MT-32/□
Screws clamp terminals			●	●
Rated operational voltage, Ue			690V	690V
Rated insulation voltage, Ui			690V	690V
Rated impulse withstand voltage, Uimp			6kV	6kV
Trip class			10A, 20	10A, 20
Setting range			0.1~18A	0.1~40A
Size and weight	Weight	kg	0.1	0.17
		Size(W × H × D) mm	45 × 73.2 × 63.7	45 × 75 × 90

\* The safety cover of magnetic contactor and thermal overload relay is optional.