

Table of specifications

MC type Magnetic Contactors



Frame size		18AF				22AF					
Type		MC-6a	MC-9a	MC-12a	MC-18a	MC-9b	MC-12b	MC-18b	MC-22b		
	Screws clamp terminals	●	●	●	●	●	●	●	●		
	Lug clamp terminals										
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 power	AC-1, Thermal current	[A]	25	25	25	32	25	27	40	45	
	AC-3	200/240V	[kW]	2.2	2.5	3.5	4.5	2.5	3.5	4.5	5.5
			[A]	9	11	13	18	11	13	18	22
		380/440V	[kW]	3	4	5.5	7.5	4	5.5	7.5	11
			[A]	7	9	12	18	9	12	18	22
		500/550V	[kW]	3	4	7.5	7.5	4	7.5	7.5	15
			[A]	6	7	12	13	7	12	13	20
		690V	[kW]	3	4	7.5	7.5	4	7.5	7.5	15
			[A]	4	5	9	9	6	9	9	18
		1000V	[kW]	-	-	-	-	-	-	-	-
		[A]	-	-	-	-	-	-	-	-	
Rated Short-time withstand current (IEC 60947)	1s	[A]	210	250	280	300	250	280	300	400	
	10s	[A]	105	110	120	130	110	120	154	186	
	30s	[A]	70	70	80	85	70	80	100	130	
	1min	[A]	61	61	61	70	61	61	84	90	
	3min	[A]	40	45	47	50	45	50	60	60	
	10min	[A]	30	30	30	40	30	30	40	50	
UL rating (50/60Hz)	Continuous current	[A]	25	25	25	32	25	25	40	40	
	Single phase	110~120V	[HP]	0.5	0.5	1	2	0.5	1	2	2
		220~240V	[HP]	1.5	1.5	2	3	1.5	2	3	3
	Three phase	200~208V	[HP]	2	2	3	7.5	2	3	7.5	7.5
		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	1	00	0	1		
Size and weight	AC control	Weight [kg]	0.33				0.34				
		Size(W×H×D) [mm]	45×73.5×80.4				45×73.5×87.4				
	DC control	Weight [kg]	0.4				0.41				
		Size(W×H×D) [mm]	45×73.5×96.6				45×73.5×103.6				
Auxiliary(Standard)			1a or 1b				1a1b				
Auxiliary	Side mount		UA-1				UA-1				
	Front mount		UA-2, UA-4				UA-2, UA-4				

Note) Minimum conduct current of Auxiliary contactor is DC 17V5mA.

MT type Thermal Overload Relays



Type		MT-12/□	MT-32/□
	Screws clamp terminals	●	●
	Lug 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.