

## MC type Magnetic Contactors



Frame size			
Type	screws clamp terminals		
Number of poles			
Rated operational voltage, Ue			
Rated insulation voltage, Ui			
Rated frequency			
Rated impulse withstand voltage, Uimp			
Maximum operating rate in operating cycles per hour(AC3)			
Durability	Mechanical		
	Electrical		
Current and power	AC-1, Thermal current	A	
	AC-3	200/240V	kW
		380/440V	kW
	500/550V	A	
		kW	
	690V	kW	
UL rating (50/60Hz)	Continuous current		
	Single phase	110~120V	HP
		220~240V	HP
		200~208V	HP
	Three phase	220~240V	HP
		440~480V	HP
		550~600V	HP
NEMA size			
Size and weight	AC control	Weight	kg
		Size(W × H × D)	mm
	DC control	Weight	kg
		Size(W × H × D)	mm



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

## MT type Thermal Overload Relays



Type	Screws clamp terminals		
Rated operational voltage, Ue			
Rated insulation voltage, Ui			
Rated impulse withstand voltage, Uimp			
Trip class			
Setting range			
Size and weight		Weight	kg
		Size(W × H × D)	mm

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

18AF				
MC-6a(Q)	MC-9a(Q)	MC-12a(Q)	MC-18a(Q)	
●	●	●	●	
3pole				
690V				
690V				
50/60Hz				
6kV				
1800 operations per hour				
15 mil. operations				
2.5 mil. operations				
25	25	25	32	
2.2	2.5	3.5	4.5	
9	11	13	18	
3	4	5.5	7.5	
7	9	12	18	
3	4	7.5	7.5	
6	7	12	13	
3	4	7.5	7.5	
4	5	9	9	
25	25	25	32	
0.5	0.5	0.75	1	
1.5	1.5	2	3	
2	2	3	5	
3	3	5	7.5	
5	5	7.5	10	
7.5	7.5	10	15	
00	00	0	1	
0.33				
45 × 73.5 × 80.4				
0.4				
45 × 73.5 × 96.6				
<b>1NO or 1NC</b>				
UA-1				
UA-2, UA-4				



**22AF**

MC-9b(Q)	MC-12b(Q)	MC-18b(Q)	MC-22b(Q)
●	●	●	●
3pole			
690V			
690V			
50/60Hz			
6kV			
1800 operations per hour			
15 mil. operations			
2.5 mil. operations			
25	25	40	40
2.5	3.5	4.5	5.5
11	13	18	22
4	5.5	7.5	11
9	12	18	22
4	7.5	7.5	15
7	12	13	20
4	7.5	7.5	15
6	9	9	18
25	25	40	40
0.5	0.75	1	2
1.5	2	3	3
2	3	5	7.5
3	5	7.5	10
5	7.5	10	15
7.5	10	15	20
00	00	1	
0.34			
45 × 73.5 × 87.4			
0.41			
45 × 73.5 × 103.6			

**1NO1NC**

UA-1  
UA-2, UA-4



**40AF**

MC-32a(Q)	MC-40a(Q)
●	●
3pole	
690V	
1000V	
50/60Hz	
8kV	
1800 operations per hour	
12 mil. operations	
2 mil. operations	
50	60
7.5	11
32	40
15	18.5
32	40
18.5	22
28	32
18.5	22
20	23
50	60
2	3
5	7.5
7.5	15
10	15
20	30
25	30
1P	2
0.4	
45 × 83 × 90	
0.6	
45 × 83 × 117.1	

**2NO2NC**

UA-1  
UA-2, UA-4



**65AF**

MC-50a(Q)	MC-65a(Q)
●	●
3pole	
690V	
1000V	
50/60Hz	
8kV	
1800 operations per hour	
12 mil. operations	
2 mil. operations	
70	100
15	18.5
55	65
22	30
50	65
30	33
43	60
30	33
28	35
70	100
3	5
10	15
20	25
25	30
40	50
50	60
0.9	
55 × 106 × 119	
1.2	
55 × 106 × 146.4	

**2NO2NC**

UA-1  
UA-2, UA-4



**MT-32/□(Q)**

●
690V
690V
6kV
10A, 20
0.1-40A
0.17
45 × 75 × 90



**MT-32/□(Q)**

●
690V
690V
6kV
10A, 20
0.1-40A
0.17
45 × 75 × 90



**MT-63/□(Q)**

●
690V
690V
6kV
10A, 20
4-65A
0.31/0.33
55 × 81 × 100