

Table of specifications

MC type Magnetic Contactors (4pole)



Frame size					
Type	Screw clamp terminal				
Number of poles	4pole				
Rated operational voltage (Ue)	690V				
Rated insulation voltage (Ui)	690V				
Rated frequency	50/60Hz				
Rated impulse withstand voltage, Uimp	6kV				
Maximum operating rate in operating cycles per hour(AC1)	1800 operations per hour				
Durability	Mechanical				
	15 mil. Operations				
Current and Power	Electrical				
	Thermal current	A			
AC-1	200/240V	kW			
	380/400V	kW			
		A			
	500/550V	kW			
		A			
	690V	kW			
		A			
	UL rating (50/60Hz)	Continuous current			
		A			
		Single Phase	110~120V	HP	
			220~240V	HP	
			200~208V	HP	
Three Phase		220~240V	HP		
		440~480V	HP		
		550~600V	HP		
NEMA Size					
00					
Size and weight		AC	Weight	kg	
		Control	Size(W×H×D)	mm	
	DC		Weight	kg	
	Control	Size(W×H×D)	mm		
Auxiliary(standard)					
Auxiliary	Side Mount				
	Front Mount				

18AF			
MC-6a/4	MC-9a/4	MC-12a/4	MC-18a/4
●			
4pole			
690V			
690V			
50/60Hz			
6kV			
1800 operations per hour			
15 mil. Operations			
0.5 mil. Operations		0.8 mil. Operations	
25	25	25	40
9	9	9	15
25	25	25	40
17	17	17	27
25	25	25	40
21	21	21	35
25	25	25	40
27	27	27	44
25	25	25	40
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	0
0.33			
45×73.5×79			
0.5			
45×73.5×110.7			
UA-1			
UA-2, UA-4			



22AF	
MC-22a/4	
●	
4pole	
690V	
690V	
50/60Hz	
6kV	
1800 operations	
15 mil. Operations	
1 mil. Operations	
40	
15	
40	
27	
40	
35	
40	
44	
40	
32	
2	
3	
7.5	
7.5	
10	
15	
1	
0.4	
47.2×80×86.8	
0.5	
47.2×80×113.2	
AU-1	
UA-2, UA-4	



40AF	
MC-32a/4	MC-40a/4
●	
4pole	
690V	
690V	
50/60Hz	
6kV	
1800 operations per hour	
15 mil. Operations	
1 mil. Operations	
50	60
18	22
50	60
35	42
50	60
43	52
50	60
55	66
50	60
45	50
2	3
5	5
7.5	10
10	10
20	25
20	25
1	1
0.59	
59×83.5×94.5	
0.7	
59×83.5×121	
AU-1	
UA-2, UA-4	



85AF			
MC-50a/4	MC-65a/4	MC-75a/4	MC-85a/4
●			
4pole			
690V			
1000V			
50/60Hz			
8kV			
1800 operations per hour			
12 mil. Operations			
1 mil. Operations			
80	100	110	135
30	37	41	51
80	100	110	135
56	70	76	95
80	100	110	135
70	88	97	120
80	100	110	135
88	110	120	150
80	100	110	135
70	80	90	100
3	5	5	7.5
7.5	10	15	15
10	15	20	25
15	20	25	30
30	40	50	50
30	40	50	50
2	2	2	3
1.2			
91×123.5×117.8			
1.29			
91×123.5×117.8			
AU-1			
UA-2, UA-4			

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Frame size				
Type	Screw clamp terminal			
Number of poles	4pole			
Rated operational voltage (Ue)	690V			
Rated insulation voltage (Ui)	1000V			
Rated frequency	50/60Hz			
Rated impulse withstand voltage, Uimp	8kV			
Maximum operating rate in operating cycles per hour(AC1)	1200 operations per hour			
Durability	Mechanical	5 mil. Operations		
	Electrical	0.8 mil. Operations		
Current and Power	Thermal current	A		
	AC-1	200/240V	kW	
		380/400V	kW	
	500/550V		kW	
			A	
	690V		kW	
		A		
UL rating (50/60Hz)	Continuous current		A	
	Single	110~120V	HP	
		Phase	220~240V	HP
	200~208V		HP	
		Three	220~240V	HP
		Phase	440~480V	HP
	550~600V		HP	
		HP		
Size and weight	AC	Weight	kg	
	Control	Size(W × H × D)	mm	
		DC	Weight	kg
	Control	Size(W × H × D)	mm	
Auxiliary(standard)				
Auxiliary	Side Mount			
	Front Mount			

* - FLA = 722 A, LRA = 5618 A
 ** - FLA = 566 A, LRA = 4495 A

225AF				
MC-100a/4	MC-130a/4	MC-150a/4	MC-185a/4	MC-225a/4
●				
4pole				
690V				
1000V				
50/60Hz				
8kV				
1200 operations per hour				
5 mil. Operations				
0.8 mil. Operations				
160	165	250	300	330
57	60	76	87	100
150	155	200	230	260
106	110	142	165	185
150	155	200	230	260
132	137	180	205	230
150	155	200	230	260
165	170	225	255	290
150	155	200	230	260
160	160	210	230	275
7.5	10	15	15	15
15	20	25	30	40
30	40	40	60	60
30	40	50	60	75
60	75	100	125	150
60	75	100	125	150
3	3	4	4	4
5.6				
175 × 203 × 185				
2NO2NC				
AU-100, AU-100E				



400AF		
MC-265a/4	MC-330a/4	MC-400a/4
●		
4pole		
690V		
1000V		
50/60Hz		
8kV		
1200 operations per hour		
2.5 mil. Operations		
0.5 mil. Operations		
360	420	500
115	135	160
300	350	420
215	250	300
300	350	420
265	315	375
300	350	420
335	390	470
300	350	420
300	350	420
300	350	450
-	-	-
-	-	-
75	100	125
100	125	150
200	250	300
200	250	300
5	5	5
9.9		
206 × 243 × 205		
2NO2NC		
AU-100, AU-100E		



800AF		
MC-500a/4	MC-630a/4	MC-800a/4
●		
4pole		
690V		
1000V		
50/60Hz		
8kV		
1200 operations per hour		
2.5 mil. Operations		
0.5 mil. Operations		
630	750	900
245	255	310
630	660	800
450	470	570
630	660	800
560	590	710
630	660	800
710	740	900
630	660	800
580	660	900
-	-	-
-	-	-
150	200	200
200	250	300
400	500	600 *
400	500	600 **
6	6	7
26.3		
346 × 310 × 244		
2NO2NC		
AU-100, AU-100E		