

# Contactors

## Metasol MC 4P 18 to 85A

### MC type Magnetic Contactors



Frame size				18AF			
Type				MC-6a/4	MC-9a/4	MC-12a/4	MC-18a/4
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				15 mil. operations			
Mechanical				15 mil. operations			
Electrical				0.5 mil. operations		0.8 mil. operations	
Current and Power	Thermal current		A	25	25	25	40
	AC-1	200/240V	kW	9	9	9	15
			A	25	25	25	40
	380/400V	kW	17	17	17	27	
		A	25	25	25	40	
	500/550V	kW	21	21	21	35	
		A	25	25	25	40	
690V	kW	27	27	27	44		
	A	25	25	25	40		
UL rating (50/60Hz)	Continuous current		A	25	25	25	32
	Single	110~120V	HP	0.5	0.5	0.75	1
		Phase	220~240V	HP	1.5	1.5	2
	Three	200~208V	HP	2	2	3	7.5
		Phase	220~240V	HP	3	3	5
		440~480V	HP	5	5	7.5	10
	550~600V	HP	7.5	7.5	10	15	
Size and weight	AC	Weight	kg	0.33			
		Control	Size(W×H×D)	45×73.5×80.4			
	DC	Weight	kg	0.4			
		Control	Size(W×H×D)	45×73.5×96.6			
Auxiliary(standard)				-			
Auxiliary	Side Mount			UA-1			
	Front Mount			UA-2, UA-4			



22AF	40AF		85AF			
MC-22a/4	MC-32a/4	MC-40a/4	MC-50a/4	MC-65a/4	MC-75a/4	MC-85a/4
•	•	•	•	•	•	•
4pole	4pole		4pole			
690V	690V		690V			
690V	690V		1000V			
50/60Hz	50/60Hz		50/60Hz			
6kV	6kV		8kV			
1800 operations per hour	1800 operations per hour		1800 operations per hour			
15 mil. operations	15 mil. operations		12 mil. operations			
1 mil. operations	1 mil. operations		1 mil. operations			
40	50	60	80	100	110	135
15	18	22	30	37	41	51
40	50	60	80	100	110	135
27	35	42	56	70	76	95
40	50	60	80	100	110	135
35	43	52	70	88	97	120
40	50	60	80	100	110	135
44	55	66	88	110	120	150
40	50	60	80	100	110	135
32	45	50	70	80	90	100
2	2	3	3	5	5	7.5
3	5	5	7.5	10	15	15
7.5	7.5	10	10	15	20	25
7.5	10	10	15	20	25	30
10	20	25	30	40	50	50
15	20	25	30	40	50	50
0.4	0.59		1.2			
47.2×80×86.8	59×83.5×94.5		91×123.5×117.8			
0.5	0.7		1.29			
47.2×80×113.2	59×83.5×121		91×123.5×117.8			
-	-		-			
AU-1	AU-1		AU-1			
UA-2, UA-4	UA-2, UA-4		UA-2, UA-4			

# Contactors

## Metasol MC 4P 225 to 800A

### MC type Magnetic Contactors



Frame size				225AF				
Type				MC-100a/4	MC-130a/4	MC-150a/4	MC-185a/4	MC-225a/4
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				5 mil. operations				
Mechanical				0.8 mil. operations				
Electrical								
Current and Power	Thermal current		A	200	250	275	300	350
	AC-1	200/240V	kW	57	60	76	87	100
380/400V		kW	106	110	142	165	185	
		A	200	250	275	300	350	
500/550V		kW	132	137	180	205	230	
		A	200	250	275	300	350	
690V		kW	165	170	225	255	290	
	A	200	250	275	300	350		
UL rating (50/60Hz)	Continuous current		A	200	250	275	300	350
	Single	110~120V	HP	7.5	10	15	15	15
		Phase	220~240V	HP	15	20	25	30
	Three	200~208V	HP	30	40	40	60	60
		Phase	220~240V	HP	30	40	50	60
	440~480V	HP	60	75	100	125	150	
550~600V		HP	60	75	100	125	150	
Size and weight	AC	Weight	kg	5.6				
		Control	Size(W×H×D)	mm	175×203×185			
	DC	Weight	kg					
		Control	Size(W×H×D)	mm				
Auxiliary(standard)				2NO2NC				
Auxiliary	Side Mount			AU-100 / AU-100E				
	Front Mount			-				

\* - FLA = 722 A, LRA = 5618 A

\*\* - FLA = 566 A, LRA = 4495 A



400AF			800AF		
MC-265a/4	MC-330a/4	MC-400a/4	MC-500a/4	MC-630a/4	MC-800a/4
●	●	●	●	●	●
	4pole			4pole	
	690V			690V	
	1000V			1000V	
	50/60Hz			50/60Hz	
	8kV			8kV	
	1200 operations per hour			1200 operations per hour	
	2.5 mil. operations			2.5 mil. operations	
	0.5 mil. operations			0.5 mil. operations	
400	500	520	700	900	1050
115	135	160	245	255	310
400	500	520	700	900	1050
215	250	300	450	470	570
400	500	520	700	900	1050
265	315	375	560	590	710
400	500	520	700	900	1050
335	390	470	710	740	900
400	500	520	700	900	1050
400	500	520	700	900	1050
-	-	-	-	-	-
-	-	-	-	-	-
75	100	125	150	200	200
100	125	150	200	250	300
200	200	300	400	500	600 *
200	200	300	400	500	600 **

9.9  
206×243×205

26.3  
346×310 ×244

2NO2NC	2NO2NC
AU-100	AU-100
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