



Frame size	150AF(B)	225AF	400AF	800AF	1260AF	2650AF
Type	MC-130a MC-150a	MC-185a MC-225a	MC-265a MC-330a MC-400a	MC-500a MC-630a MC-800a MCI-900 MCI-1050	MC-1260a MCI-1260	MC-1400a MC-1700a MC-2100a MC-2650a MCI-1700 MCI-2100 MCI-2650
AC/DC common coil						
Control voltage [Uc]						
AC/DC	AC 24	24/24	DC 24	-	-	-
AC/DC	24~48/24~48	48/48	-	100/100	-	-
AC/DC	100~240/100~220	100~240/100~220	100~240/100~220	200/200	100~240/100~220	100~240/100~220
AC or DC	DC 70~110	AC 300	AC 300	AC 300	-	-
AC or DC	DC 110	AC 400	AC 400	AC 400	-	-
AC or DC	-	AC 500	AC 500	AC 500	-	-
Voltage limit [Uc]	85~110% ^{Note 1)}					
Coil consumption at 20°C ^{Note 2)}						
AC 220V Inrush [VA]	320	380	571	1000	1500	2500
50/60Hz Holding [VA]	10	11.6	14	29	24	50
Heat dissipation [W]	4.5	4.7	5	7.8	7.8	8.7
Operating time						
Closing [ms]	70	70	55	75	75	80
Opening [ms]	70	70	55	75	75	70

Note) 1. Voltage limit for DC 24V coil is 75~110%.

2. Operating time for DC 24V coil is 90ms.

3. Either semi-electronic coil(A) or electronic coil(B) can be chosen for MC-130a and MC-150a

4. Please check the details page for each AF range



Control coil characteristics (4pole)



Frame size			18AF	22AF	40AF	85AF
Type			MC-6a/4P	MC-22a/4P	MC-32a/4P	MC-50a/4P
			MC-9a/4P		MC-40a/4P	MC-65a/4P
			MC-12a/4P			MC-75a/4P
			MC-18a/4P			MC-85a/4P
AC coil						
Control voltage			[Uc]			
50Hz		[V]	24, 32, 42, 48, 80, 100, 110, 220, 230, 240, 380, 400, 500, 550	24, 32, 42, 48, 65, 80, 100, 110, 220, 230, 240, 380, 400, 415, 500, 550, 240(wide)		24, 48, 100, 110, 200, 220, 230, 240, 380, 400, 415, 440, 500, 550, 240(wide)
60Hz		[V]	24, 48, 100, 110, 120, 200, 208, 220, 230, 240, 277, 380, 480, 600	24, 48, 110, 120, 208, 220, 240, 277, 380, 440, 480, 600		24, 48, 110, 120, 208, 220, 230, 240, 277, 380, 440, 480, 600
50/60Hz		[V]	24, 48, 100, 110, 120, 200, 220, 230, 20, 380, 415, 440, 500, 550	24, 48, 100, 110, 120, 200, 220, 230, 240, 380, 415, 440, 500, 550		24, 48, 110, 120, 220, 230, 240, 380, 415, 440, 500, 550
Voltage limit			85~110%			
Coil consumption at 20°C						
AC 220V	Inrush	[VA]	70	95	95	220
60Hz	Holding	[VA]	9	9	9	17
Heat dissipation		[W]	2.3	2	2	5
Operating time	Closing	[ms]	15...30	10~17	10~17	16~25
	Opening	[ms]	4...9	6~9	6~9	8~15
DC coil						
Control voltage			[Uc]			
Voltage limit			12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250			
Voltage limit			85~110%			
Coil consumption at 20°C						
DC 100V	Inrush	[W]	6	9	9	460
(18AF: DC110V)	Holding	[W]	6	9	9	6
Time constant (L/R)		[ms]	28	50	50	-
Operating time	Closing	[ms]	40...60	45~55	45~55	20~30
	Opening	[ms]	4...19	8~15	8~15	13~20