

Table of specifications

MC type Magnetic Contactors



Frame size			150AF		225AF		400AF			
Type			MC-130a	MC-150a	MC-185a	MC-225a	MC-265a	MC-330a	MC-400a	
	Screws clamp terminals		●	●	●	●	●	●	●	
	Lug clamp terminals		●	●	●	●				
Number of poles			3pole		3pole		3pole			
Rated operational voltage(Ue)			1000V		1000V		1000V			
Rated insulation voltage(Ui)			1000V		1000V		1000V			
Rated frequency			50/60Hz		50/60Hz		50/60Hz			
Rated impulse withstand voltage, Uimp			8kV		8kV		8kV			
Maximum operating rate in operating cycles per hour(AC3)			1200 operations per hour		1200 operations per hour		1200 operations per hour			
Durability	Mechanical		5 mil. operations		5 mil. operations		5 mil. operations		2.5 mil. operations	
	Electrical		1 mil. operations		1 mil. operations		1 mil. operations		0.5 mil. operations	
Current and power	AC-1, Thermal current	[A]	200	250	300	350	400	500	520	
		[kW]	37	45	55	75	80	90	125	
	AC-3	[A]	130	150	185	225	265	330	400	
		[kW]	60	75	90	132	147	160	200	
	380/440V	[A]	130	150	185	225	265	330	400	
		[kW]	60	70	110	132	147	160	225	
	500/550V	[A]	90	100	180	200	225	280	350	
		[kW]	55	55	110	140	160	200	250	
	690V	[A]	60	60	120	150	185	220	300	
		[kW]	75	75	132	132	147	147	147	
1000V	[A]	50	50	90	90	105	105	105		
	[kW]									
Rated Short-time withstand current (IEC 60947)	1s	[A]	1350	1800	2000	2500	3500	4000	4600	
	10s	[A]	950	1200	1500	1700	2400	3000	4400	
	30s	[A]	700	800	1000	1200	1500	2500	2974	
	1min	[A]	550	600	800	1000	1100	1700	1846	
	3min	[A]	350	450	520	700	800	1000	1313	
	10min	[A]	200	300	350	500	600	620	760	
	≥15min	[A]	175	280	320	400	500	553	699	
UL rating (50/60Hz)	Continuous current	[A]	200	250	300	350	400	500	520	
		[HP]	10	15	15	15	-	-	-	
	Single phase	110~120V	[HP]	20	25	30	40	-	-	-
		220~240V	[HP]	40	40	60	60	75	100	125
	Three phase	220~240V	[HP]	40	50	60	75	100	100	150
		440~480V	[HP]	75	100	125	150	200	200	300
	550~600V	[HP]	75	75	125	150	200	200	300	
NEMA size			4				5			
Size and weight	AC control	Weight [kg]	2.4		5.4		9.2			
		Size(W×H×D) [mm]	119×158×130.3		138×203×185.1		163×243×204.4			
	DC control	Weight [kg]	2.4		5.4		9.2			
		Size(W×H×D) [mm]	119×158×130.3		138×203×185.1		163×243×204.4			
Auxiliary(Standard)			2a2b		2a2b		2a2b			
Auxiliary	Side mount		UA-1		AU-100, AU-100E (Max.4a4b)		AU-100, AU-100E (Max.4a4b)			
	Front mount		UA-2, UA-4		-		-			

MT type Thermal Overload Relays



Type		MT150/□	MT225/□	MT400/□
	Screws clamp terminals	●	●	●
	Lug clamp terminals	●	●	
Rated operational voltage, Ue		690V	690V	690V
Rated insulation voltage, Ui		690V	690V	690V
Rated impulse withstand voltage, Uimp		6kV	6kV	6kV
Trip class		10A, 20	10A, 20	10A, 20
Setting range		34~150A	65~240A	85~400A
Size and weight	Weight [kg]	0.67	2.5	2.6
	Size(W×H×D) [mm]	95×109×113	147×141×184	151×171×198

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