

MC series

■ Ratings • Performance

Specifications	Item	Performance		
Contact specification	Contact configuration	1c	2c	
	Contact resistance	50mΩ max. (at DC6V 1A)		
	Contact material	Ag alloy		
Ratings	Rated load (resistive load)	AC110V 15A	AC110V 10A	
	Max. switching capacity (resistive load)	1650VA	1100VA	
	Max. switching voltage	250V		
	Max. switching current	15A	10A	
Electrical capability	Insulation resistance	100MΩ min. (at DC500V)		
	Dielectric strength	Between coil and contacts	AC2000V 1 min	
		Between open contacts	AC1000V 1 min	
		Between opposite polarity contacts	—	AC2000V 1 min
	Operate time (at rated voltage on, at 20°C)	25ms max. (excluding contact bounce time)		
Release time (at rated voltage off, at 20°C)	25ms max. (excluding contact bounce time)			
Mechanical capability	Vibration resistance	Malfunction	10 to 55 to 10Hz (double amplitude 1.0mm)	
		Destruction	10 to 55 to 10Hz (double amplitude 1.0mm)	
	Shock resistance	Malfunction	200m/s ²	
		Destruction	1000m/s ²	
Life	Mechanical endurance (at 18 000 times/h)	10 000 000 times min.		
	Electrical endurance (resistive load) (at 1800 times/h)	100 000 times min. (AC: 110V 15A)	100 000 times min. (AC: 110V 10A)	
		100 000 times min. (DC: 24V 15A)	100 000 times min. (DC: 24V 10A)	
Conditions for operation	Ambient temperature	-25°C to +55°C (no freezing and condensing at low temperature)		
	Ambient humidity	5% to 85%RH		
Mass		approx. 33g		

● Notes: The above is the initial value.