

HMS series

■ Ratings • Performance

Specifications	Item	Performance	
Contact specification	Contact configuration	2c	4c
	Contact resistance	100mΩ max. (at DC6V 1A)	
	Contact material	Ag alloy	
Ratings	Rated load (resistive load)	AC220V 5A, DC24V 5A	AC220V 3A, DC24V 3A
	Max. switching capacity (resistive load)	1100VA 120W	660VA 72W
	Max. switching voltage	AC250V, DC30V	
	Max. switching current	5A	3A
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)	20ms max. (excluding contact bounce time)	
Release time (at rated voltage off, at 20°C)	20ms 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	100m/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: 220V 5A)	100 000 times min. (AC: 220V 3A)
Conditions for operation	Ambient temperature	-55°C to +60°C (no freezing and condensing at low temperature)	
	Ambient humidity	5% to 85%RH	
Mass		approx. 35g	

- Notes: The above is the initial value.
In the Electrical Appliances and Materials Safety Act, the 4-pole type should not use the voltage exceeding 150V AC. However, this is not the case unless the Electrical Appliances and Materials Safety Act is required.