

# EQ series

## ■ Ratings・Performance

Specifications	Item		Performance	
			1a	1c
Contact specification	Contact configuration			
	Contact resistance		100mΩ max. (at DC6V 1A)	
	Contact material		Ag alloy	
Ratings	Rated load (resistive load)		AC250V 5A	AC250V 5A (NO) 3A (NC)
	Max. switching capacity (resistive load)		1250VA	1250VA (NO) 750VA (NC)
	Max. switching voltage		AC277V	
	Max. switching current		5A	
Electrical capability	Insulation resistance		100MΩ min. (at DC500V)	
	Dielectric strength	Between coil and contact	AC4000V 1 min	
		Between open contact	AC1000V 1 min	
	Impulse withstand voltage (between coil and contact)		8000V min. (1.2 × 50 μs)	
	Operate time (at rated voltage on, at 20°C)		10ms max. (excluding contact bounce time)	
	Release time (at rated voltage off, at 20°C)		4ms max. (excluding contact bounce time)	
Mechanical capability	Vibration resistance	Malfunction	10 to 55 to 10Hz (double amplitude 1.5mm)	
		Destruction	10 to 55 to 10Hz (double amplitude 1.5mm)	
	Shock resistance	Malfunction	100m/s <sup>2</sup>	
		Destruction	1000m/s <sup>2</sup>	
Life	Mechanical endurance (at 180 times/min)		1 000 000 times min.	
	Electrical endurance (resistive load) (at 12 times/min)		50 000 times min. (at rated load)	100 000 times min. (at rated load)
Conditions for operation	Ambient temperature		-40°C to +70°C (no freezing and condensing at low temperature)	
	Ambient humidity		5% to 85%RH	
Mass			approx. 6.5g	

● Notes: The above is the initial value.

DEC is a professional manufacturer of relays

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