

# DA series

## ■ Ratings • Performance

Specifications	Item		Performance
Contact specification	Contact configuration		2a
	Contact resistance		50mΩ max. (at DC6V 1A)
	Contact material		Ag alloy
Ratings	Rated load (resistive load)		AC220V 20A
	Max. switching capacity (resistive load)		4400VA
	Max. switching voltage		AC250V
	Max. switching current		20A
Electrical capability	Insulation resistance		100MΩ min. (at DC500V)
	Dielectric strength	Between coil and contacts	AC4000V 1 min
		Between open contacts	AC1000V 1 min
		Between opposite polarity contacts	AC2000V 1 min
	Impulse withstand voltage (between coil and contacts)		10 000V min. (1.2 × 50 μs)
	Operate time (at rated voltage on, at 20°C)		30ms max. (excluding contact bounce time)
Release time (at rated voltage off, at 20°C)		30ms 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 (inverter load) (at 20 times/min)		30 000 times min. (AC: 220V 20A)
Conditions for operation	Ambient temperature		-40°C to +60°C (no freezing and condensing at low temperature)
	Ambient humidity		5% to 85%RH
Mass			approx. 32g

● Notes: The above is the initial value.

DEC is a professional manufacturer of relays

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