

MINIATURE RELAY

MODEL : DYS1-SH-D12V-A-1

FEATURES

- Switching capacity : 1A
- power consumption : 200 mW
- RoHS
- UL/C-UL, VDE, TUV



SPECIFICATIONS

CONTACT DATA

PARAMETER		VALUE	
Contact Arrangement		1 Form A	
Contact Material		Ag Alloy	
Contact Rating		Resistive Load ($\cos\Phi=1$) 1A 250VAC	Inductive Load ($\cos\Phi=0.8$) 1A 250VAC/28VDC
		Resistive : 1A 250VAC	
Contact switching power		554VA	
Min.switching Current		100mA 5VDC	
Contact switching Voltage		250VAC (MAX277VAC)	
Contact switching Current		1A (MAX2A)	
Contact resistance (Initial)		Max.100m Ω at 5VDC 1A	
Life Expectancy	Electrical	100,000 operations under 1A/2A 250VAC (1200 ops/hour)	
	Mechanical	1,000,000 operations under no load (12,000 ops/hour)	

CHARACTERISTICS

PARAMETER		VALUE
Insulation resistance		Min.1,000M Ω at 500VDC
Dielectric Strength (Leak current 1mA)	Contacts between	750VAC, 1 min, 50/60Hz
	Line, contacts between	4,000VAC, 1 min, 50/60Hz
Operating time		Max. 10ms
Release time		Max. 5ms
Temperature range		-40 to +85 $^{\circ}$ C
Storage temperature		0 to +40 $^{\circ}$ C
Temperature Rise coil		50k Max.by resistance method when 1A current is provide to contact and 110%of rated voltage to relay coil.

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COIL DATA

PARAMETER	VALUE
Nominal Voltage	12VDC
Coil Resistance	720Ω±10% at 23°C
Nominal Current	16.7 mA±10% at 23°C
Operating Voltage	9.0VDC Max
Release Voltage	1.2VDC Min.
Maximum Coil Voltage	15.6VDC (130%of Nominal Voltage)
Nominal Operating Power	200mW

DIMENSIONS

