S6

PIC RELAY

Subminiature Light Duty Relay

Features

Low coil power consumption
Small size and low cost
PCB mounting
Switching capacity from 1Amp to 5Amp
Dust cover or wash tight type

c us:

Ordering information

S6 - S 5 DC12V
1 2 3 4

1 Relay model 2 Construction: NIL: Unsealed type; S: Wash tight type 3 Contact rating: 1: 1Amp; 3: 3Amp; 5: 5Amp 4 Rated voltage	Note: RoHS : RoHS compliant relay; RoHS- I: AgNi contact; RoHS-N: $AgSnO_2$ contact

Coil rating

Rated voltage (V)	Coil resistance Ω+/-10%	Rated current (mA)	Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W) Approx.	Operate time (ms)	Release time (ms)
			% of rated voltage (at 20°C)					
3	18	166.6	75 Max.	10 Min.	130 Max.	0.45	<10	<5
6	72	83.3						
9	162	55.5						
12	288	41.6						
24	1152	20.8						
48	4608	10.4						

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

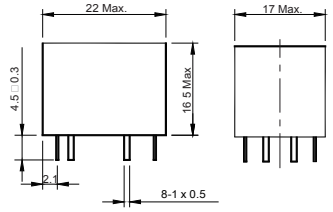
Characteristics

Contact arrangement		DPDT (2 Form C)
Contact material		Sliver alloy
Contact resistance		50mΩ Max.
Contact rating (resistive)		1A 28VDC/125VAC; 3A 28VDC/125VAC; 5A 28VDC/125VAC **UL** and **cUL** approved ratings: 5A 277VAC/30VDC
Insulation resistance		100MΩ Min. (500VDC)
Dielectric strength		750VAC (50Hz/min) Between open contacts 1,000VAC (50Hz/min) Between coil and contact
Shock resistance		10g Approx.
Vibration resistance		1.5mm Double amplitude 10-55Hz
Ambient temperature		-40°C to +70°C
Operation life	Mechanical	10^7
	Electrical	10^5 (at rated load)
Weight		12g Approx.

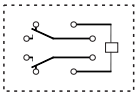
(Specifications are subject to change without notices.)

Dimensions

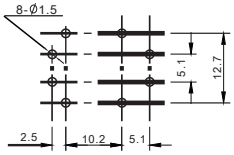
mm



Wiring diagram
(Bottom view)

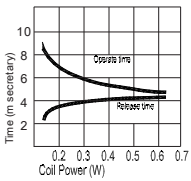


Mounting holes

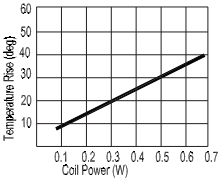


Reference data

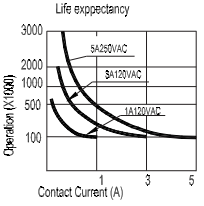
Operation Time



Coil Temp Rise



Life exppectancy



Contact switching capacitya