

www.sj-relays.com E-mail:info@sj-relays.com



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Features

- DIL Pitch Terminals .High Sensitivity :0.14W or 0.10W Nominal Power。
- . Conforms to FCC Part 68 1.5kV Surge and Dielectric 1000VAC
- Monostable or bistable relays Single and double Coil magnet latching Type available
- Application for Telecommunication Equipment,Office Equipment,Security Alarm Systems, Measuring instruments, Medical Monitoring Equipment,Audio Visual Equipment, Flight Simulator,Sensor Control

Ordering Information						
<u>P</u> <u>L</u> <u>12</u> <u>W</u>						
1 2 3 4						
1 Part number P	3 Coil rated voltage(V) DC:3,4.5,5,6,9,12,24					
2 Operating function . NIL: Single Side Stable ,	4 Contact material : NIL: AgPd; W: AgNi					
L:1 Coil Latching: K:2 Coil Latching	, and the second					

Contact Data

Contact Arrai	ngement	2C (DPDT(B-M)) (Bifurcated Cros	ssbar)
Contact Mate	erial	AgPd(Gold clad) AgNi(Gold clad)	
Contact Ratir	ng (resistive)	1A,2A/30VDC; 0.5A/125VAC	
Max. Switchin	ng Power	60W 62.5VA	Min. Switching load: 0.01mA/10mV (Reference Value)
Max. Switchin	ng Voltage	220VDC 250VAC	M ax. Swit ching Curr ent:2A
Contact Resistance or		≤50m Ω	Item 4.12 of IEC 61810-7
Voltage drop		₹50III 22	11.011 4.12 01 IEC 01010-7
		1A/30VDC; 2×10^5 (Ag Ni $1\times$ 10^5 0.5A/125VAC, 1×10^5	
Operation	Electrical	0.5A/125VAC, 1×10 ⁵	Item 4.30 of IEC 61810-7
life	Mechanical	108	Item 4.31 of IEC 61810-7

CAUTION:

Relays previously tested or used above 10mA resistive at 6V maximum (DC or peak AC) open circuit are not recommended for subsequent use in low level applications.

Coil Parameter

Coll Paral	10101								
Dash numbers	l	oltage DC Max.		resistance 10%	Pick up voltage VDC(max) (75%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power W	Operate Time ms	Release /Reset Time ms
P-003 P-004 P-005 P-006 P-009 P-012 P-024	3 4.5 5 6 9 12 24	7.5 11.25 12.5 15.0 22.5 30.0 48.0	64.3 144.6 178 257 579 1028 2880		2.25 3.38 3.75 4.50 6.75 9.00 18.0	0.3 0.45 0.5 0.6 0.9 1.2 2.4	0.14 0.14 0.14 0.14 0.14 0.14 0.20	Approx.2	Approx.1
1 Coil Latchi	1 Coil Latching				Reset(Max)			Reset	
PL-003 PL-004 PL-005 PL-006 PL-009 PL-012 PL-024	3 4.5 5 6 9 12 24	8.7 13.0 14.5 17.4 26.1 34.8 57.6	90 202.5 250 360 810 1440 3840		2.25 3.38 3.75 4.50 6.75 9.00 18.0	-2.25 -3.38 -3.75 -4.50 -6.75 -9.00 -18.0	0.10 0.10 0.10 0.10 0.10 0.10 0.15	Approx.2	Approx.1
2 Coil Latchi	2 Coil Latching Set Coil Rese		Reset Coil		Reset(Max)			Reset	
PK-003 PK-004 PK-005 PK-006 PK-009 PK-012	3 4.5 5 6 9 12 24	6 9 10 12 18 24 36	45 101 125 180 405 720 1920	45 101 125 180 405 720 1920	2.25 3.38 3.75 4.50 6.75 9.00 18.0	2.25 3.38 3.75 4.50 6.75 9.00	0.20 0.20 0.20 0.20 0.20 0.20 0.30	Approx.2	Approx.1

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(reset) voltage are for test purposes only and are not to be used as design criteria.

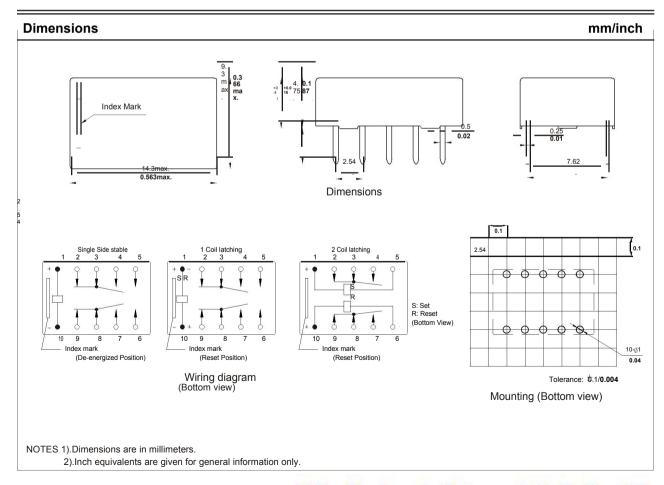
3.When latching relays are installed in equipment, the latch and reset coil should not be powered simultaneously. Coil should not be pulsed with less than the nominal coil voltage and pulse width should be a minimum of three times the specified operate time of the relay. If these conditions are not followed, it is possible for the relay to be in the magne-tically neutral

Characteristics

Electrostatic capacitance			
Between open Contacts	Approx.0.4pF	Item 4.41 of IEC 61810-7	
Between coil & Contacts	Approx.0.9pF	Item 4.41 of IEC 61810-7	
Between Contact Poles	Approx.0.2pF	Item 4.41 of IEC 61810-7	
Insulation Resistance	1000M Ω min (at 500VDC)	Item 7 of IEC 60255-5	
Dielectric Strength			
Between open Contacts	1000VAC 1min	Item 6 of IEC 60255-5	
Between coil & Contacts	1000VAC 1min	Item 6 of IEC 60255-5	
Between Contact Poles	1000VAC 1min	Item 6 of IEC 60255-5	
Surge Withstand Voltage			
Between open Contacts	1500V	FCC 68	
Between coil & Contacts	1500V	FCC 68	
Between Contact Poles	2500V	FCC 68	
	Functional:500m/s ² 11ms;		
Shock resistance	Survival:1000 m/s ² 6ms	IEC 68-2-27 Test Ea	
Vibration registance	10Hz~55Hz Double amplitude	JEC 00 2 C Took Fo	
Vibration resistance	Functional : 3mm Survival:5mm	IEC 68-2-6 Test Fc	
Terminals strength	5N	IEC 68-2-21 Test Ua1	
Solderability	235 ℃ ± 2℃ 3s ± 0.5s	IEC 68-2-20 Test Ta method 1	
Temperature Range	°G40 ~700 (-400 ~15%E)		
Mass	Approx. 1.5g		

Safety approvals

Safety approval	UL&CUR	TυV
Load	1A,2A/30VDC, 0.5A/125VAC	1A/30VDC, 0.5A/125VAC



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