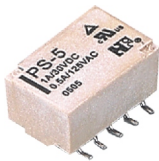


DB ELECTRO ^{UN}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO.,LTD.





14.2×9.3×5.3



c  US E158859



R50044271

PS

Features

- Surface mount Type with “L” shaped Terminals.
- 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

PS L 12 W
1 2 3 4

1 Part number: PS

2 Operating function: Nil: Single Side Stable;
L:1 Coil Latching; K:2 Coil Latching

3 Coil rated voltage(V): DC:3,4,5,6,9,12,24
4 Contact material: Nil: AgPd; W: AgNi

Contact Data

Contact Arrangement	2C (DPDT(B-M)) (Bifurcated Crossbar)		
Contact Material	AgPd(Stationary Contact: Gold clad) AgNi(Gold clad)		
Contact Rating (resistive)	1A,2A/30VDC; 0.5A/125VAC		
Max. Switching Power	60W 62.5VA	Min.Switching load: 0.01mA/10mV (Reference Value)	
Max. Switching Voltage	220VDC 250VAC	Max. Switching Current:2A	
Contact Resistance or Voltage drop	≤50mΩ	Item 3.12 of IEC255-7	
Operational life	Electrical	2×10 ⁵ (DC AgPd);1×10 ⁵ (DC AgNi) 1×10 ⁵ (AC)	Item 3.30 of IEC255-7
	Mechanical	10 ⁶	Item 3.31 of IEC255-7

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

Dash numbers	Coil voltage VDC		Coil resistance Ω ±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
	Rated	Max.						
PS-003	3	7.5	64.3	2.25	0.3	0.14	Approx.2	Approx.1
PS-004	4.5	11.25	144.6	3.38	0.45	0.14		
PS-005	5	12.5	178	3.75	0.5	0.14		
PS-006	6	15.0	257	4.50	0.6	0.14		
PS-009	9	22.5	579	6.75	0.9	0.14		
PS-012	12	30.0	1028	9.00	1.2	0.14		
PS-024	24	48.0	2880	18.0	2.4	0.20		
1 Coil Latching					Reset(Max)			Reset
PSL-003	3	8.7	90	2.25	-2.25	0.10	Approx.2	Approx.2
PSL-004	4.5	13.0	202.5	3.38	-3.38	0.10		
PSL-005	5	14.5	250	3.75	-3.75	0.10		
PSL-006	6	17.4	360	4.50	-4.50	0.10		
PSL-009	9	26.1	810	6.75	-6.75	0.10		
PSL-012	12	34.8	1440	9.00	-9.00	0.10		
PSL-024	24	57.6	3840	18.0	-18.0	0.15		
2 Coil Latching			Set Coil	Reset Coil	Reset(Max)			Reset
PSK-003	3	6	45	45	2.25	2.25	Approx.2	Approx.2
PSK-004	4.5	9	101	101	3.38	3.38		
PSK-005	5	10	125	125	3.75	3.75		
PSK-006	6	12	180	180	4.50	4.50		
PSK-009	9	18	405	405	6.75	6.75		
PSK-012	12	24	720	720	9.00	9.00		
PSK-024	24	36	1920	1920	18.0	18.0		

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 pulsed 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 magnetically neutral position .