



## Main Feature

1. From 1 to 3 pole version are available with switching current up to 13A
2. Two types of solder lug terminal width and flanged case are available for customer's various application
3. Touch button and LED version available for customer selection

## Application

Telecommunication, Domestic Appliances, Office Machine, Audio Equipment, etc.

## Contact Rating

- Nominal Load (Resistive Load  $\cos \varphi = 1$ )
  - Contact Capacity .....10A at 250VAC.
  - 13A at 120VAC
  - 13A at 28 VDC
  - Motor .....1 HP 240 VAC
  - 1/3 HP 120 VAC
- Rated Carrying Current .....10A
- Max. Allowable Current .....13A
- Max. Allowable Voltage .....AC 300V, DC48V
- Max. Allowable Power Force.2500VA, 380W
- Min. Switching Load .....DC 10, 10mA
- Contact Material .....Ag Alloy.
- Contact Form.....SPST & SPDT
  - DPST & DPDT
  - TPST & TPDT

## Performance (at Initial Value)

- Contact Resistance.....100m $\Omega$  Max. @1A, 6VDC
- Operate Time.....15 mSec. Max.(D Type)
- Release Time .....10 mSec. Max.
- Dielectric Strength :
  - Between Coil & Contact.....1,500VAC at 50/60 Hz
  - for one minute.
  - Between Contacts .....500VAC at 50/60 Hz
  - for one minute.
- Surge Resistance .....1,500V (between coil & contact 1.2x50 $\mu$ Sec.)
- Insulation Resistance .....1,000 Mega  $\Omega$  Min. at 500VDC.

- Max. On/Off Switching :
  - Electrical ..... 30 Ops per Minute.
  - Mechanical ..... 300 Ops per Minute.
- Temperature Range..... -45~70°C (D Type)
- Humidity Range..... 45~85% RH.
- Coil Temperature Rise ..... 50°C Max.
- Vibration :
  - Endurance..... 10 to 55 Hz dual
  - amplitude width 1.5mm.
  - Error Operation..... 10 to 55 Hz dual
  - amplitude width 1.5mm.
- Shock :
  - Endurance ..... 1,000 m/S<sup>2</sup> Min.
  - Error Operation..... 100 m/S<sup>2</sup> Min.
- Life Expectancy :
  - Mechanical ..... 10<sup>7</sup> Operations at No
  - Load condition.
  - Electrical ..... 10<sup>5</sup> Operations at Rated
  - Resistive Load.
- Weight..... About 85 g.

**Coil Specification (at 20°C)**

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 10\%$ )	Power Consumption	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
RP(VDC)	01	6	186.9	32.1	Abt. 1.5 W	80% Maximum	10% Maximum	110% Maximum
	02	12	100	120				
	03	24	50.8	472				
	04	48	26.7	1800				
	05	110	1.2/1.3	10.000				
RP(VAC) 1P,2P	01	6	1450	4.2	Abt. 2~2.75VA	85% Maximum	30% Maximum	110% Maximum
	02	12	658	18				
	03	24	340	72				
	04	48	167	280				
	05/06	120	65	1.700				
	07/08	220/240	29	7.200				
	01	6	1650	3.2				
02	12	850	14					
03	24	400	55					
04	48	210	220					
05/06	120	83	1.300					
07/08	220/240	42/45	5.510					

**Ordering Information:**

RP	-	1	02	D	M	P	F	L,T,D
Number of Pole	Coil-Code	Coil type	Contact Form	Terminal Type	Case Type	LED		
1- One Pole 2- Two Poles 3- Three Poles	01- 6V 02- 12V 03- 24V 04- 48V 05- 110V 06- 120V 07- 220V 08- 240V	D- DC Coil A- AC Coil	Nil- Change-over Contact M- Make contact Only B- Break contact only	P- PCB terminal (width 1.20mm) E- PCB terminal (width 2.35mm) S- Quick connect Tabs (width 4.80mm) W- Quickconnect Tabs (width 6.60mm)	Nil- Standard square Shape F- Top with flanged Case H- Side with flanged case	Nil- Standard relay L- With LED selection T- With touch bottom selection D- With Diode selection		

Note : L, T, D which three item can single choose or multi-choose.

**Dimension:**

