

GYB

15.7 × 12.3 × 14



Features

- ★ Small size, light weight.
- ★ Double make contact, low coil consumption.
- ★ Standard terminal pitch employed, PC board mounting.
- ★ Suitable for automatic control facilities and automobile application etc.

Contact data

Contact Arrangement	1A,1B,1C,1U
Initial Contact Resistance	≤50mΩ
Contact Material	AgCdO;AgSnO ₂ ,AgSnO ₂ In ₂ O ₃
Contact Rating(Res.Load)	NO:20A/14VDC 10A/120VAC 5A/250VAC NC:15A/14VDC,10A/120VAC 5A/250VAC 1U:2×10A/14VDC
Max.Switching Power	280W 1250VA
Max.switching Voltage	42VDC 380VAC
Max.switching Current	20A
UL/CUR rating	NO:20A/14VDC 10A/120VAC NC:10A/14VDC 1/2HP 125VAC TV-5
Mechanical life	1×10 ⁷
Electrical life	1×10 ⁵

Operation condition

Insulation Resistance	100MΩ min (at 500V)
Dielectric Strength: Between coil and Contacts	50Hz 500V
Between open contacts	50Hz 500V
Operate time	10ms
Release time	5ms
Shock Resistance	200 m/s ² 11ms
Vibration Resistance	10~55Hz double amplitude 1.5mm
Temperature rise	10N
Humidity	85% (at 20°C)
Ambient temperature	-40°C~85°C
Termination	PCB
Construction	Sealed & Dust cover
Weight	6g

COIL

Coil power	0.6W 0.8W
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Coil parameter(0.6W)

Nominal Voltage VDC	Pick-up Voltage VDC	Release Voltage VDC(min)	Coil Voltage VDC(max)	Coil Resistance (at 20°C) Ω
6	4.8	0.30	6.6	60±10%
9	7.2	0.45	9.9	135±10%
12	9.6	0.60	13.2	240±10%
24	19.2	1.20	26.4	960±10%

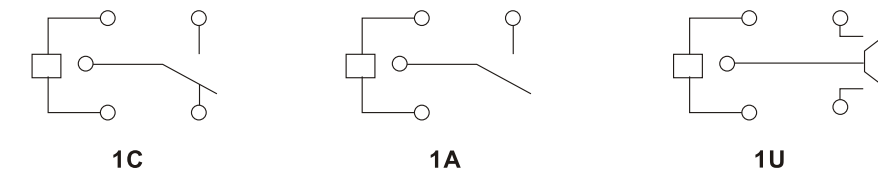
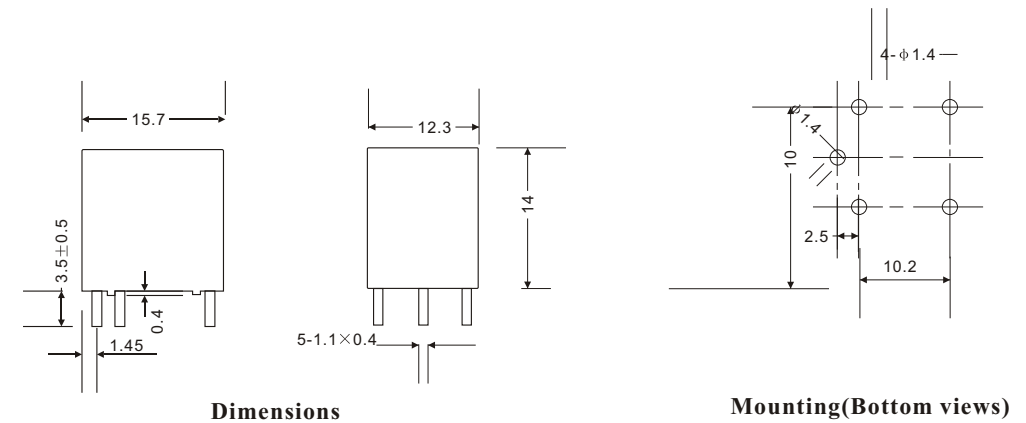
Coil parameter(0.8W)

Nominal Voltage VDC	Pick-up Voltage VDC	Release Voltage VDC(min)	Coil Voltage VDC(max)	Coil Resistance (at 20°C) Ω
6	4.8	0.30	6.6	45±10%
9	7.2	0.45	9.9	102±10%
12	9.6	0.60	13.2	180±10%
24	19.2	1.20	26.4	720±10%

Ordering Information

GYB	1C	12	L	C
5. Enclosure: NIL: Sealed type; C: Dust cover				
4. Coil power consumption: D:0.8W (Standard) ; L:0.6W (High sensitivity)				
3. Coil rated voltage(V): DC:6,9,12,24				
2. 1:1 Pole A:Make contact B:Break contact C:Transfer contact U:Double make contact				
1. Part number : GYB				

Dimensions (Unit: mm)



Wiring diagram(bottom views)

CHARACTERISTICS CURVE

