



Main Feature

1. Two Change-Over Contacts is supplied to user's selection.
2. Small size and slim type have small occupying area for high density P.C. Board mounting technique application.
3. Insulation distance of 6mm is designed. The employment of high insulation material is meeting to JIS Insulation Class E.
4. TV-5 at 120VAC of GSA Series is certified by UL.
5. Dielectric Strength of 3,000VAC Minimum and Surge Resistance of 5,000V Minimum can be reached.

Application

Audio Equipment, Controlling Equipment, Home Appliance, etc.

Contact Rating

- Nominal Load (Resistive Load $\cos \phi = 1$)
Contact Capacity5A at 120VAC.
5A at 30VDC.
TV-5 at 120VAC.
- Rated Carrying Current5A.
- Max. Allowable Current5A.
- Max. Allowable VoltageAC 250V, DC 30V.
- Max. Allowable Power Force.1,200 VA.300W
- Min. Switching LoadDC 5V, 10mA.
- Contact MaterialAg Alloy.
- Contact Form.....DPST.

Performance (at Initial Value)

- Contact Resistance100m Ω Max.@1A,6VDC
- Operate Time20 mSec. Max.
- Release Time10 mSec. Max.
- Dielectric Strength :
Between Coil & Contact3,000VAC at 50/60 Hz
for one minute.
- Between Contacts1,000VAC at 50/60 Hz
for one minute.
- Surge Resistance5,000V (between Coil
& Contact 1.2x50 μ Sec.)
- Insulation Resistance.....100 Mega Ω Min. at
500VDC.
- Max. On/Off Switching :
Electrical30 Ops. per Minute.
- Mechanical300 Ops. per Minute.

- Temperature Range -25~55 $^{\circ}$ C
- Humidity Range 45~85% RH.
- Coil Temperature Rise..... 55 $^{\circ}$ 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/S² Min.
- Error Operation 100 m/S² Min.
- Life Expectancy :
Mechanical 10⁷ Operations at No
Load condition.
- Electrical 10⁵ Operations at
Rated Resistive Load.
2.5x10⁴ Operations at
TV Rated Load.
- WeightAbout 13.8 g.

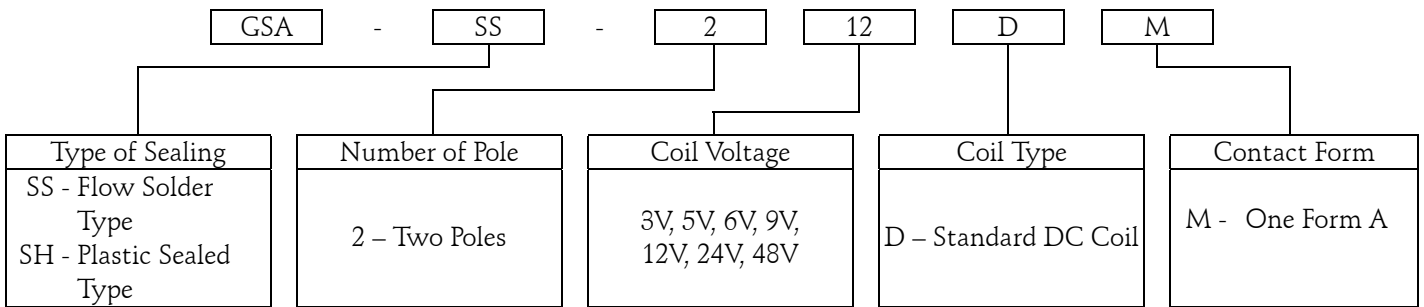
Safety Standard & Its File Number

- UL..... E141060
- CSA LR76598
- TÜV R9854034

Coil Specification (at 20°C)

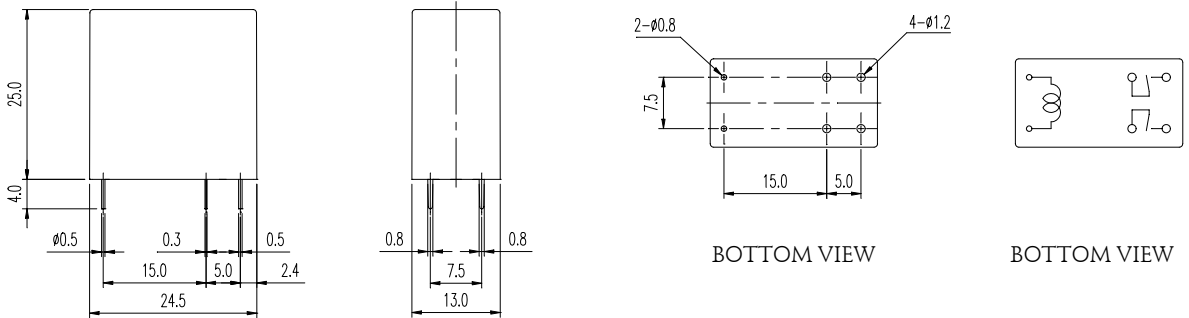
Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
GSA	3	176.5	17	Abt. 0.54	80% Maximum	5% Minimum	130%
	5	106.4	47				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1,100				
	48	11	4,400				

Ordering Information:



Dimension:

GSA-SS/SH



Reference Data:

