

Hi-Voltage Reed Relay

Features

- Insulation coil to contact up to 4kVDC
- Small size to save space
- Internal magnetic shield on all relays



Order Code

SIL-1AXXDX
a b c d e

a:Relay Model
 b:Contact Form:1=1FormA
 c: Nominal Coil Voltage: 05=5VDC,12=12VDC,24=24VDC
 d:Nil=No Diode ;D=Diode
 e:Options Nil: Standard H:High Voltage

Coil Data-Standard Type 1FormA (at 20°C)

Nominal Voltage DC±10%[V]	Coil Resistance ±10% (ohm)	Nominal Coil Power(mW)	Must Release Voltage MIN.[V]at 20°C	Must Operate Voltage Max.[v]at20°C
05	220	114	0.5	3.75
12	500	288	1.2	9.0
24	2000	288	2.4	16.4

Contact Rating

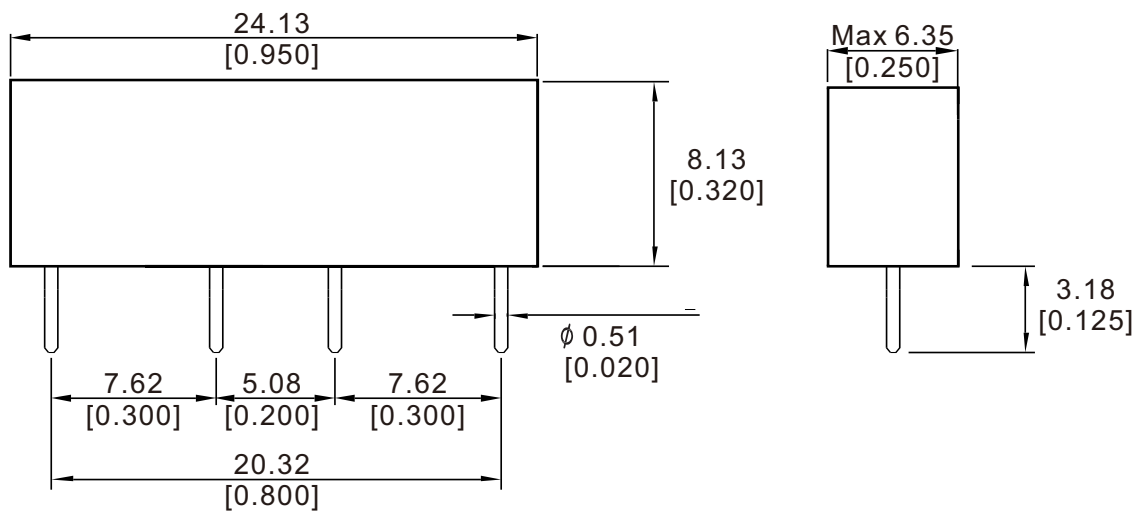
Relay Model	SIL-1A XX H	SIL-1A XX
Contact Rating	100W	100W
Switching Voltage	1000V	350VDC/300VAC
Max.Switching Current	1.0A	1.0A
Max.Carry Current	2.5A	2.5A

Specifications

Contact Resistance	150mΩ	100mΩ
Dynamic Contact Resistance	200mΩ	100mΩ
Breakdown Voltage	Contact to Coil: DC.4KV	Contact to Coil: DC.4KV
	Open contacts:DC.4KV	Open contacts:DC.3KV
Insulation Resistance	Open contacts:1x10 ¹³ Ω	1x10 ¹⁰ Ω
	Contacts to coil:1x10 ¹² Ω	
Capacitance(typ.)	Open contacts 0.2pF	0.5pF
Operate Time	1.0ms	0.6ms
Release Time	0.25ms	0.25ms
Vibration	20G 10~2000Hz	20G 10~1000Hz
Shock	50G	30G
Operating Temperature	-20°C~+70°C	-20°C~+70°C
Storage Temperature	-35°C~+95°C	-35°C~+95°C
Life Expectance	5V,10mA 5X10 ⁸	1kVDC,1mA 1x10 ⁶

5.08Max

Dimensions(Unit:mm)



Wiring Diagrams(Top View)

