

# LRL Series

## Hi-Voltage Reed Relay

### Features

- Breakdown Voltage is DC.10KV,DC.14KV
- Since it is a printed circuit board type, it decreases time and effort of mounting sharply.



### Order Code

LRL- 10X-XXXPCV  
a b

a : Coil Voltage : 1=24VDC, 2=12VDC  
b : Breakdown Voltage : 100=DC10KV, 140=14KV

### Coil Data-Standard Type 1 Form A (at 20°C )

Nominal Voltage DC $\pm 10\%$ [V]	Coil Resistance $\pm 10\%$ (ohm)	Nominal Current [mA]	Min. Release Voltage (VDC)	Max. Operate Voltage (VDC)
24	720	33.3	2.4	16.8
12	200	60.0	1.2	8.4

### Contact Rating

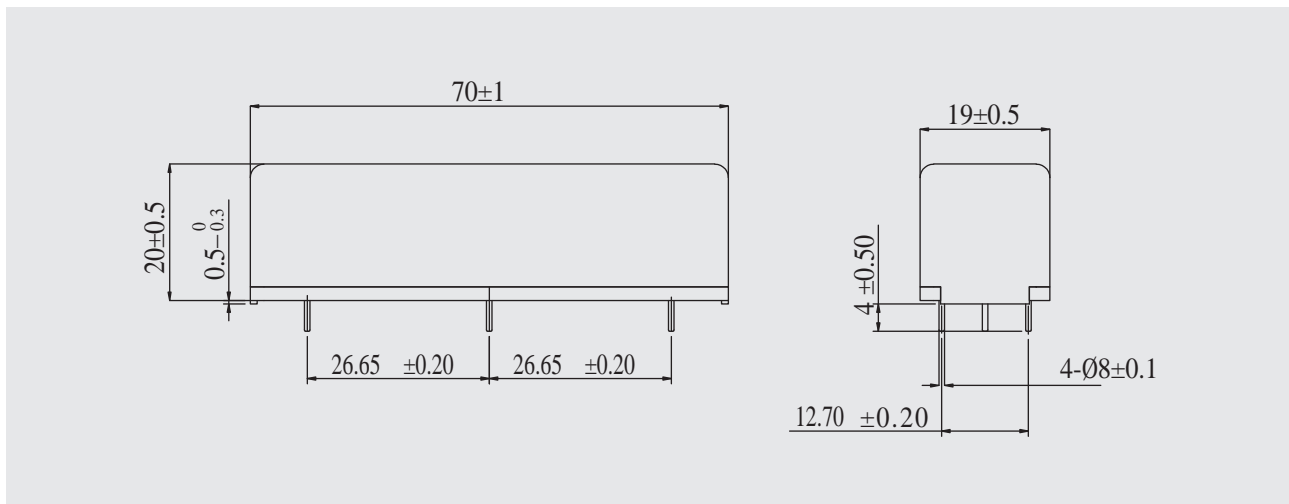
Contact Form	<b>1 Form A</b>	
Contact Rating	50W	
Switching Voltage	DC.7.5KV	DC.10KV
Max. Switching Current	2.0A	
Max. Carry Current	3.0A	



**Specification**

Contact Resistance	150mΩ MAX. (Initial)		
Breakdown Voltage :	Open contacts	DC.10KV MIN	DC.14KV MIN
	Contact to Coil	DC.15KV MIN	DC.15KV MIN
Insulation Resistance :	Open contacts	1X10 <sup>9</sup> Ω MIN.(DC.100V)	
	Contact to Coil	1X10 <sup>9</sup> Ω MIN.(DC.100V)	
Electromotive Capacitance	2.0pf MAX		
Operate Time	(Incl bounce) 4.0mS Max. (at Nominal Voltage)		
Release Time	2.0ms Max (at Nominal Voltage)		
Vibration	20G (0~55Hz, 1.5mm)		
Shock	30G (11ms, 1/2 Sin Wave)		
Operating Temperature	-10°C ~+60°C	-20°C ~+70°C	
Storage Temperature	-30°C ~+80°C	-35°C ~+90°C	
Life Expectancy of Mechanical	1 × 10 <sup>8</sup> MIN Operations (R.L)		
Life Expectancy of Electrical	DC.7500V-1mA 0.5x10 <sup>6</sup> MIN Operations (R.L)	DC.10KV-1mA 0.5x10 <sup>6</sup> MIN Operations (R.L)	

**Dimensions (Unit : mm)**



**Wiring Diagrams (Top View)**

