

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:Nominal Coil Voltage:1=24VDC, 2=12VDC

b:Brwakdown Voltage:100=DC10KV, 140=DC14KV

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

Nominal Voltage DC±10%[V]	Coil Resistance ±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

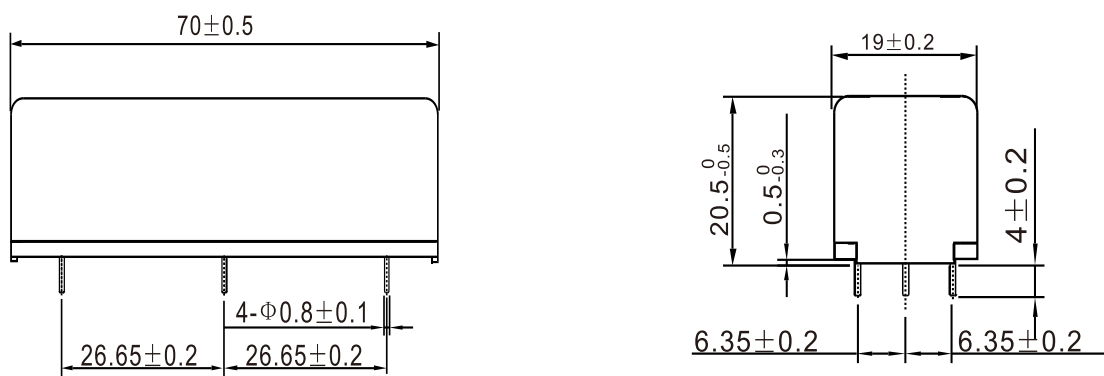
Contact Rating

Breakdown Classification	100	140
Contact Form	1FormA	
Contact Rating	50W	
Switching Voltage	DC.7.5KV	DC.10KV
Max.Switching Current	2.0A	
Max.Carry Current	3.0A	

Specification

Breakdown Classification	100	140
Contact Resistance	150mΩMAX.(Initial)	
Breakdown Voltage	Open contacts DC.10KV MIN	Open contacts DC.14KV MIN
	Contacts to coil DC.15KV MIN	
Insulation Resistance	Open contacts 1x10 ⁹ ΩMIN.(DC.100V)	
	Contacts to coil 1x10 ⁹ ΩMIN.(DC.100V)	
Electromotive Capacitance	2.0pF MAX.	
Operate Time	(Incl.bounce)4.0 mS MAX.(at Nominal Voltage)	
Release Time	2.0mS MAX.(at Nominal Voltage)	
Vibration	20G(0~55Hz,1.5mm)	
Shock	30G(11mS,1/2Sin Wave)	
Operating Temperature	-20°C~+70°C	
Storage Temperature	-35°C~+90°C	
Life Expectancy of Mechanical	1x10 ⁸ MIN. Operations(R.L.)	
Life Expectancy of Electrical	DC.7500V-1mA 0.5 X10 ⁶ MIN. Operations(R.L.)	DC.10000V-1mA 0.5 X10 ⁶ MIN. Operations(R.L.)

Dimensions(Unit:mm)



Wiring Diagrams(Top View)

