

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

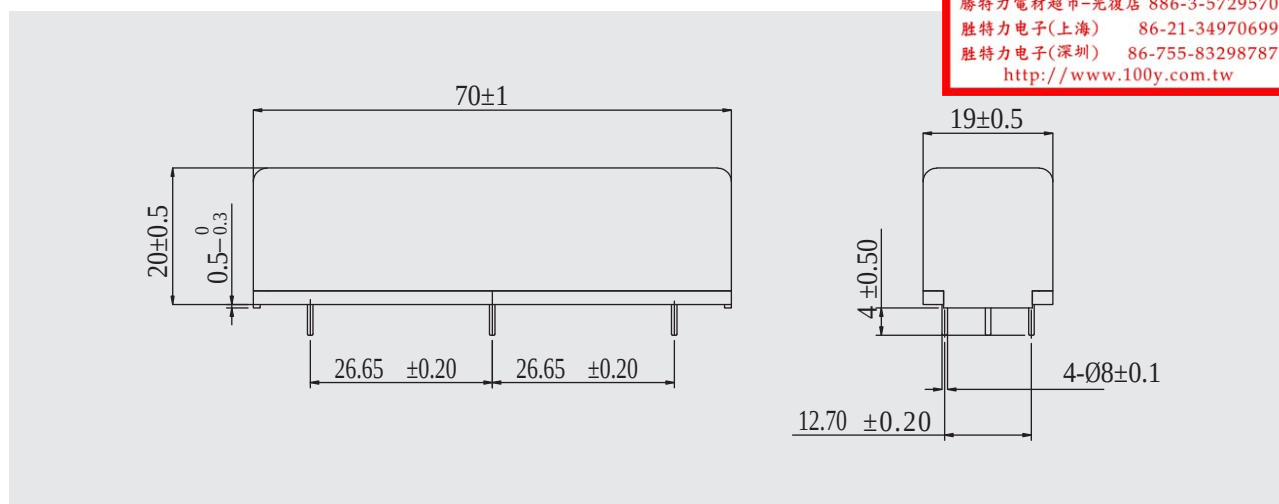
Contact Form	1 Form A	
Contact Rating	50W	
Switching Voltage	DC.7.5KV	DC.10KV
Max. Switching Current	2.0A	
Max. Carry Current	3.0A	



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 ⁹ Ω MIN.(DC.100V)	
	Contact to Coil	1X10 ⁹ 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℃ ~+60℃	-20℃ ~+70℃
Storage Temperature		-30℃ ~+80℃	-35℃ ~+90℃
Life Expectancy of Mechanical		1×10 ⁸ MIN Operations (R.L)	
Life Expectancy of Electrical		DC.7500V-1mA 0.5x10 ⁶ MIN Operations (R.L)	DC.10KV-1mA 0.5x10 ⁶ MIN Operations (R.L)

Dimensions (Unit : mm)



Wiring Diagrams (Top View)

