

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

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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

Coil Date-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

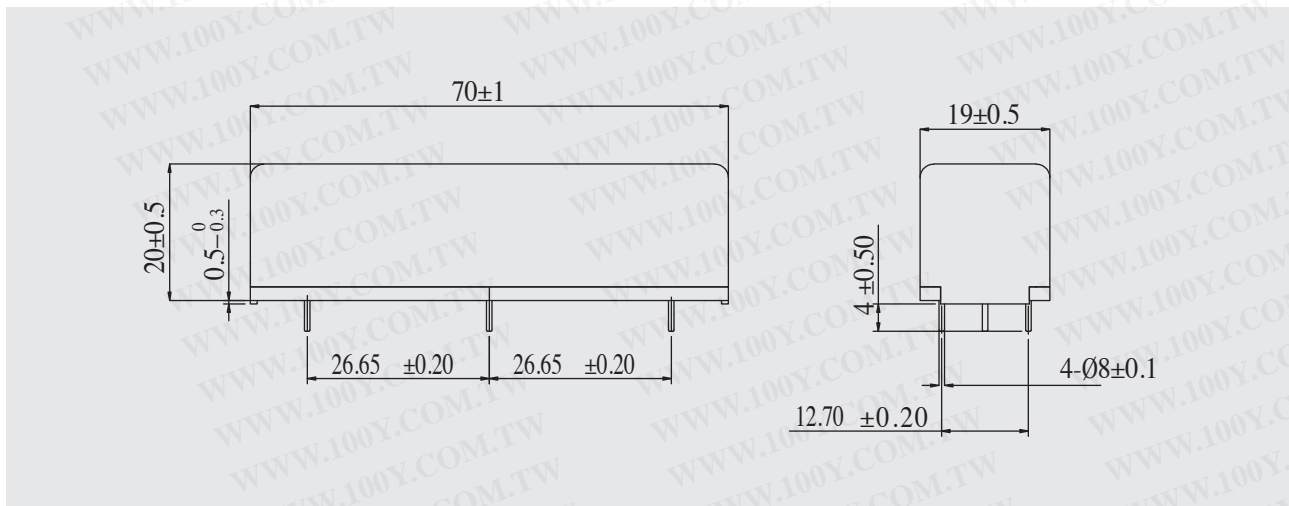
Contact Form	1 Form A	
Contact Rating	50W	
Switching Voltage	DC.7.5KV	DC.10KV
Max. Switching Current	2.0A	
Max. Carry Current	3.0A	



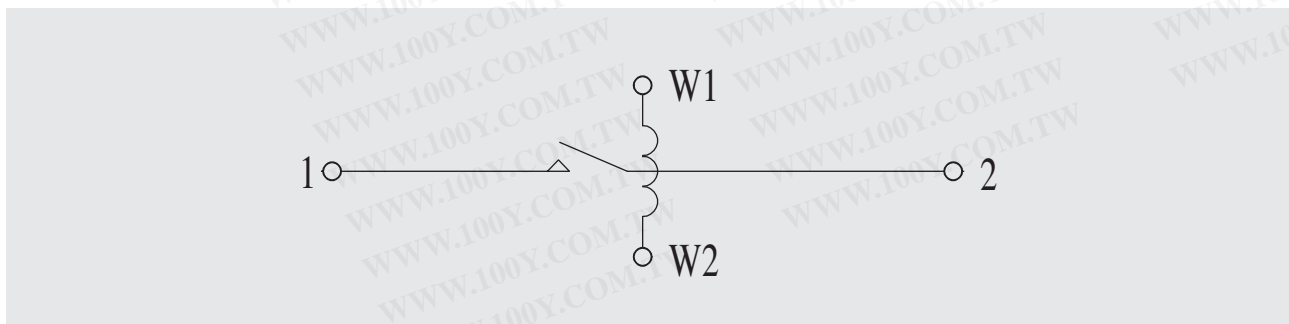
Specification

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°C ~+60°C	-20°C ~+70°C	
Storage Temperature	-30°C ~+80°C	-35°C ~+90°C	
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)



LRL Series

H.V. Reed Relay - Cable Line Out

Features

- Breakdown Voltage is DC 10KV, DC 14KV, DC 18KV.
- Since the contact is brought out by the lead wires, there is flexibility in its mounting.
- Since it is a printed circuit board type, it decreases time and effort of mounting sharply.



Order Code

LRL-10X-PCZ-XXKV
a b

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

b : Breakdown Voltage : 10=DC10KV, 14=DC14KV, 18=DC18KV

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

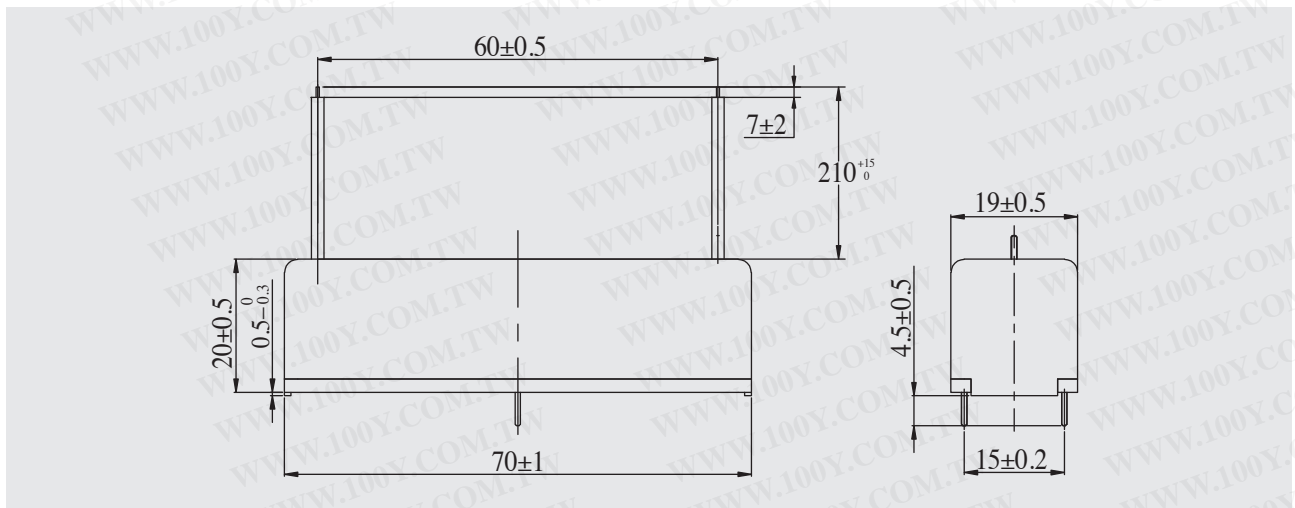
Breakdown Classification	100	140	180
Contact Form	1 Form A		
Contact Rating	50W		
Switching Voltage	DC.7.5KV	DC.10KV	DC.10KV
Max. Switching Current	2.0A		
Max. Carry Current	3.0A		



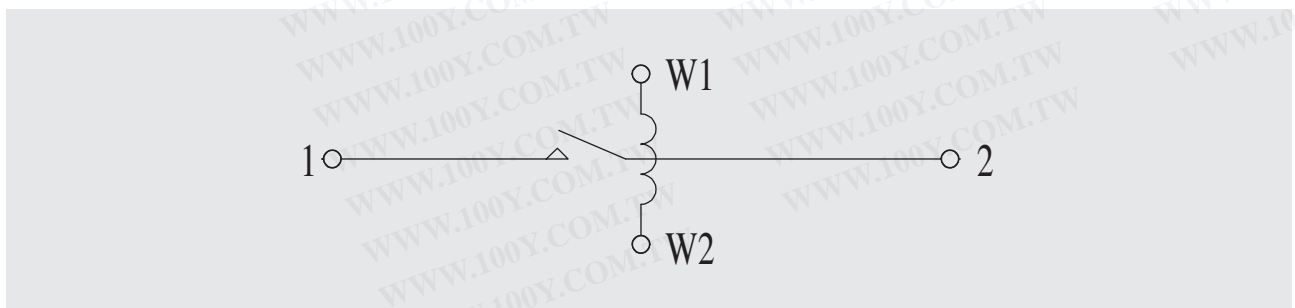
Specification

Contact Resistance	150MΩ MAX. (Initial)			
Breakdown Voltage :	Open contacts	DC.10KV MIN	DC.14KV MIN	DC.18KV MIN
	Contact to Coil	DC.15KV MIN		
Insulation Resistance :	Open contacts	1 × 10 ⁹ Ω MIN. (DC.100V)		
	Contact to Coil	1 × 10 ⁹ Ω MIN. (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, 1/2 Sin Wave)			
Operating Temperature	-20°C ~+70°C			
Storage Temperature	-35°C ~+90°C			
Life Expectancy of Mechanical	1 × 10 ⁸ MIN. Operations (R.L.)			
Life Expectancy of Electrical	DC.7500V-1mA0.5 × 10 ⁶ MIN.Operations(R.L.)	DC.10000V-1mA0.5 × 10 ⁶ MIN.Operations(R.L.)		

Dimensions (Unit : mm)



Wiring Diagrams (Top View)



LRL Series

H.V Reed Relay- 2 Form A

Features

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



Order Code

LRL-20X-XXXPCV-S2
a b

a : Nominal Coil Voltage : 1=24VDC, 2=12VDC, 3=05VDC
b : Breakdown Voltage : 100=DC10KV

Coil Data-Standard Type 2 Form A (at 20°C)

Nominal Voltage DC $\pm 10\%$ [V]	Coil Resistance $\pm 10\%$ (ohm)	Min. Release Voltage (VDC)	Max. Operate Voltage (VDC)
24	530	2.4	18
12	130	1.2	8.8
5	25	0.7	3.75

Contact Rating

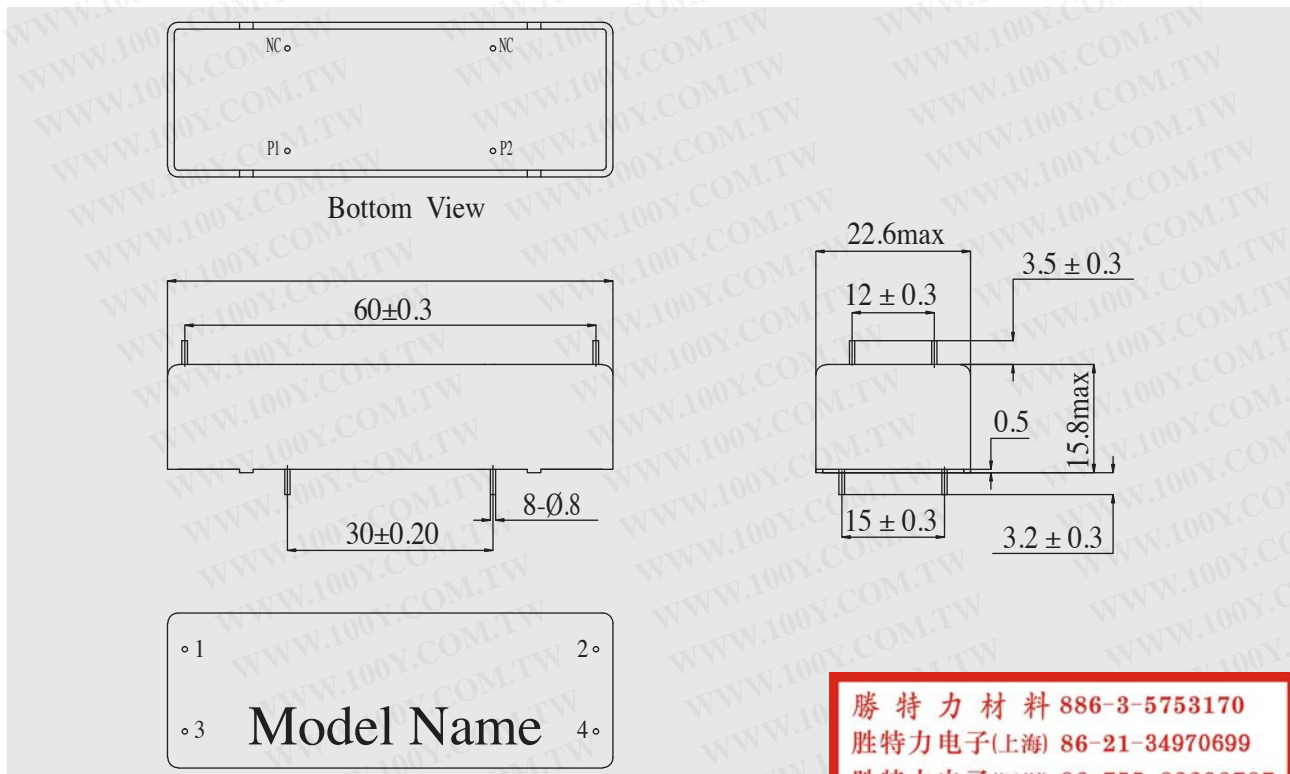
Contact Form	2 Form A
Contact Rating	50W
Switching Voltage	DC.7.5KV
Max. Switching Current	3.0A
Max. Carry Current	5.0A



Specification

Contact Resistance	150mΩ	
Breakdown Voltage :	Open contacts	DC.10KV
	Contact to Coil	DC 10KV
Insulation Resistance :	10 ¹⁰ Ω	
Operate Time	3.0ms	
Release Time	3.0ms	
Vibration	20G(10-2000Hz)	
Shock	50G	
Operating Temperature	-20℃ ~+80℃	
Storage Temperature	-40℃ ~+150℃	
Life Expectancy	DC.7500V.1mA 0.5x10 ⁶ Cyc	

Dimensions (Unit : mm)



Wiring Diagrams (Top View)

