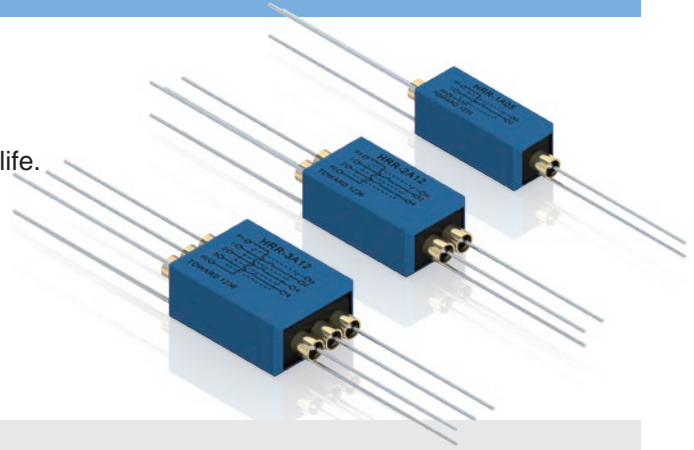


# HRR Series

## 1a, 2a, 3a Hi-Voltage Reed Relay

### Features

- Ultra reed relay.
- High Reliability,hermetically sealed contacts for long life.
- External magnetic and electrostatic shield.



### Order Code

HRR-XX X X-X-X  
 a b c d e

a : Contact Form : 1A=1 Form A, 2A=2 Form A, 3A=3 Form A  
 b : Nominal Coil Voltage : 1=24VDC, 2=12VDC, 4=5VDC  
 c : Nil=No Electrostatic Shield, S=Electrostatic Shield  
 d : Nil=Standard Type=500VDC, 1=1KV, 3=3KV  
 e : Insulation Resistance : Nil=10<sup>10</sup>, 11=10<sup>11</sup>, 12=10<sup>12</sup>,  
 13=10<sup>13</sup>, 14=10<sup>14</sup>

### Coil Data-Standard Type (at 20°C)

Part Number	Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% [ohm]	Nominal Current [mA]	Must Release Voltage MIN. [V] at 20°C	Must Operate Voltage MAX. [V] at 20°C
HRR-1A HRR-2A	05	100	50.0	0.5	4.0
	12	400	30.0	1.2	8.8
	24	1600	15.0	2.0	18.0
HRR-3A	05	50	100.0	0.5	4.0
	12	300	40.0	1.2	8.8
	24	800	30.0	2.0	18.0

### Contact Specifications

Relay Model	HRR-XXXX	HRR-XXXX-1	HRR-XXXX-3
Contact Rating Max DC / Peak AC	50W	100W	100W
Switching Voltage Max DC / Peak AC	300VAC / 350VDC	300VAC / 350VDC	1000VDC
Max. Switching Current Max DC / Peak AC	1.0A		
Max. Carry Current	2.5A		



**Specifications**

Relay Model	HRR-XXXS	HRR-XXXS-1	HRR-XXXS-3
Contact Resistance	150mΩ		
Dielectric Strength(static) :	Between contacts	500VDC	1000VDC
	contacts to shield	2500VDC	2500VDC
	contacts / shield to coil	2500VDC	2500VDC
Electrostatic Capacitance	0.5pF	0.5pF	0.5pF
Insulation Resistance (except shields to coil)	10 <sup>10</sup> Ω	10 <sup>10</sup> Ω	10 <sup>10</sup> Ω
Operate Time	0.6mS	0.6mS	1.0mS
Release Time	0.05mS	0.05mS	0.1mS
Vibration	20G(0 ~ 2000HZ)	20G(0 ~ 2000HZ)	20G(10HZ ~ 2000HZ)
shock(11mS 1/2 Sin Wave)	30G	30G	50G
Operating Temp	-10°C ~+60°C		
Storage Temp	-10°C ~+80°C		
Life Expectancy	AC / DC 10mV - 10 μ A 1X10 <sup>8</sup> OPS	200VDC 1mA 1X10 <sup>7</sup> OPS	5VDC 10mA 500X10 <sup>6</sup> OPS

**Dimensions (Unit : mm)**

