

Click on the Part # to download the product data sheet (detailed drawing is on data sheet).

## Miniature

Part# HSR- [101](#) [1015](#) [V100](#) [301](#) [302](#) [510](#) [520](#) [522](#)

### PHYSICAL SPECIFICATION

CONFIGURATION	SPST	SPST	SPST	SPDT	SPDT	SPDT	SPDT	SPDT
<b>A-Nominal Overall Length</b>	2.095	2.190	2.185	1.930	1.930	2.005	2.010	2.145
<b>B-Maximum Glass Length</b>	.780	.765	.800	.560	.580	.575	.595	.820
<b>C-Maximum Glass Diameter</b>	.091	.101	.110	.093	.120	.105	.125	.125
<b>D-Nominal Lead Diameter</b>	.023	.023	.023	.023	.023	.023	.023	.023
<b>G-Gap Location</b>	1.045	1.095	1.095	1.030	1.030	.910	.910	.910
<b>Contact Material<sup>3</sup></b>	R	R	R	R	R	R	R	R
<b>Figure</b>	<a href="#">A-1</a>	<a href="#">A-1</a>	<a href="#">A-1</a>	<a href="#">C-1</a>	<a href="#">C-1</a>	<a href="#">C-2</a>	<a href="#">C-2</a>	<a href="#">C-2</a>

### ELECTRICAL SPECIFICATIONS

Maximum Switching								
<b>VOLTS DC</b>	200	200	500	120	120	120	120	120
<b>VOLTS AC<sup>9</sup></b>	120	120	240					
<b>Maximum Switching Current AMPS DC/AC</b>	0.50	0.50	1.0	0.20	0.20	0.25	0.25	0.30
<b>Maximum Switching Power WATTS DC/ AC</b>	10	10	25	4	4	3	3	8
<b>Minimum Voltage Breakdown VOLTS DC<sup>3</sup></b>	500	500	1750	200	200	400	400	150
<b>Initial Contact Resistance OHMS</b>	0.1	0.1	0.15	0.15	0.15	0.15	0.15	0.15
<b>Minimum Insulation Resistance OHMS<sup>4</sup></b>	10 <sup>10</sup>	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>10</sup>

### OPERATING SPECIFICATIONS

<b>Standard Pull-in Range AMPERE TURNS</b>	10-45	10-45	15-40	15-40	15-40	15-45	15-45	10-50
<b>Standard Test Coil NARM RS-421-A</b>	II	II	II	II	II	II	II	II

<b>Operating Time (Including Bounce) MILLISECOND<sup>5</sup></b>	0.7	0.7	1.1	1.4	0.75	1.30	1.0	1.10
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Part Number **HSR-1015R** Contact Form A Switch Configuration SPST Rev. E
**Industry Standard SPST Reed Switch**

Features	Advantages
<ul style="list-style-type: none"> <li>• Hermetically sealed contacts</li> <li>• Wide differential (Hysteresis)</li> <li>• AC rating: 120/220 VAC</li> <li>• Switch materials are Lead free and RoHS compliant</li> </ul>	<ul style="list-style-type: none"> <li>• Extended operations in extreme environments</li> <li>• Not ESD sensitive</li> <li>• Ideal for proximity sensors and reed relays</li> </ul>

**Electrical Specifications**

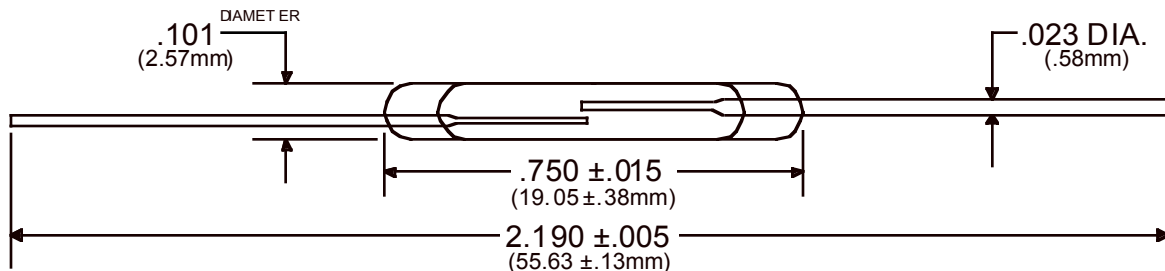
Power		Watts - maximum	10
Voltage	Switching	VDC - maximum	200
	Breakdown	VDC - minimum	500
Current	Switching	Amp - maximum	0.5
	Carry	Amp - maximum	3.2
Resistance	Initial Contact Resistance	Ohm - maximum	0.10
	Insulation Resistance	Ohm - minimum	1 E11
Capacitance	Contact	pF - typical	0.4
Temperature	Operating	°C	-40 to +125
	Storage	°C	-40 to +200

**Magnetic Specifications**

Pull - In Range		Ampere Turns	10-45
Test Coil		NARM RS-421-A	Coil II

**Physical/Operational Specifications**

Capsule Volume	Excluding Leads	CC - nominal	0.1
Contact Material			Rhodium
Operate Time	Including Bounce	mSeconds - maximum	0.70
Release Time	Including Bounce	mSeconds - maximum	0.30


**Notes:**

- (1) Specifications are not constant across entire magnetic range.
- (2) Customer must exercise care in handling, mounting, lead forming, and cutting to prevent damage to glass capsule and/or switch sensitivity.
- (3) For information or custom configurations about performance, mounting options or packaging, contact our Sales department.
- (4) Information contained hereon is for informational purposes only and should not be deemed as accurate for a specific application. Consult factory for specific application information and/or latest revision.