

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
A-Nominal Overall Length	2.095	2.190	2.185	1.930	1.930	2.005	2.010	2.145
B-Maximum Glass Length	.780	.765	.800	.560	.580	.575	.595	.820
C-Maximum Glass Diameter	.091	.101	.110	.093	.120	.105	.125	.125
D-Nominal Lead Diameter	.023	.023	.023	.023	.023	.023	.023	.023
G-Gap Location	1.045	1.095	1.095	1.030	1.030	.910	.910	.910
Contact Material³	R	R	R	R	R	R	R	R
Figure	A-1	A-1	A-1	C-1	C-1	C-2	C-2	C-2

ELECTRICAL SPECIFICATIONS

Maximum Switching								
VOLTS DC	200	200	500	120	120	120	120	120
VOLTS AC⁹	120	120	240					
Maximum Switching Current AMPS DC/AC	0.50	0.50	1.0	0.20	0.20	0.25	0.25	0.30
Maximum Switching Power WATTS DC/ AC	10	10	25	4	4	3	3	8
Minimum Voltage Breakdown VOLTS DC³	500	500	1750	200	200	400	400	150
Initial Contact Resistance OHMS	0.1	0.1	0.15	0.15	0.15	0.15	0.15	0.15
Minimum Insulation Resistance OHMS⁴	10 ¹⁰	10 ¹¹	10 ¹¹	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ⁹	10 ¹⁰

OPERATING SPECIFICATIONS

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

Operating Time (Including Bounce) MILLISECOND⁵	0.7	0.7	1.1	1.4	0.75	1.30	1.0	1.10
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Part Number **HSR-101R** Contact Form A Switch Configuration SPST Rev. E

Industry Standard SPST Reed Switch

Features	Advantages
<ul style="list-style-type: none"> • Hermetically sealed contacts • AC rating: 120 VAC • Switch materials are Lead free and RoHS compliant 	<ul style="list-style-type: none"> • Extended operations in extreme environments • Not ESD sensitive • Available in RF version • Significant glass size to power rating ratio

Electrical Specifications

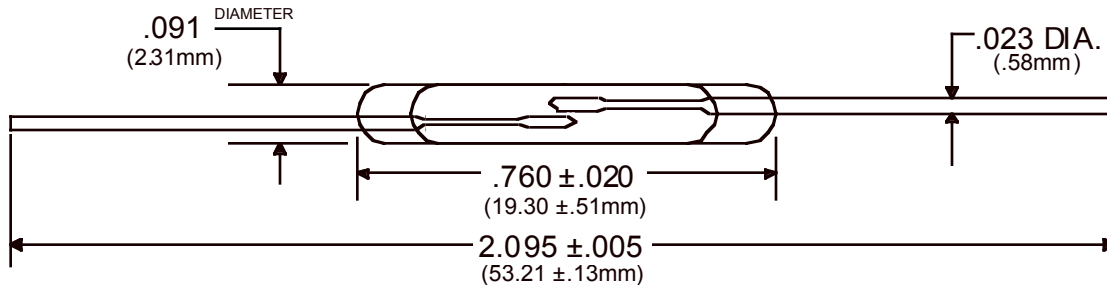
Power		Watts - maximum	10
Voltage	Switching	VDC - maximum	200
	Breakdown	VDC - minimum	500
Current	Switching	Amp - maximum	0.5
	Carry	Amp - maximum	1.8
Resistance	Initial Contact Resistance	Ohm - maximum	0.10
	Insulation Resistance	Ohm - minimum	1 E10
Capacitance	Contact	pF - typical	0.4
Temperature	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	0.08
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.