

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

Standard

Part# HSR-	<u>170</u>	<u>190</u>	<u>194</u>	<u>630</u>
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PHYSICAL SPECIFICATIONS

CONFIGURATION	SPST	SPST	SPST	SPDT
A-Nominal Overall Length	3.420	3.220	3.220	3.390
B-Maximum Glass Length	1.620	2.010	2.005	1.350
C-Maximum Glass Diameter	.190	.210	.210	.210
D-Nominal Lead Diameter	.051	.021x.098	.021 x.098	.040
G-Gap Location	1.700	1.615	1.615	1.500
Contact Material²	R	R	W	R
Figure	<u>A-1</u>	<u>A-1</u>	<u>A-1</u>	<u>C-2</u>

Switch Rating



[CSA Certified at
25V ac/dc, 25VA](#)

ELECTRICAL SPECIFICATIONS

Maximum Switching:

VOLTS DC	200	250	350	150
VOLTS AC⁹	120	240	240	120
Maximum Switching Current AMPS DC/AC	1.0	1.0	2.0	1.0
Maximum Switching Power WATTS DC/AC	25	25	50	25
Minimum Voltage Breakdown VOLTS DC³	500	700	600	350
Initial Contact Resistance OHMS	0.1	0.1	0.1	0.1

Minimum Insulation Resistance OHMS⁴	10 ⁹	10 ¹⁰	10 ¹⁰	10 ⁹
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OPERATING SPECIFICATIONS

Standard Pull-in Range AMPERE TURNS	40-80	40-80	60-100	40-80
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Standard Test Coil NARM RS-421-A	III	IV	IV	IV
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Operating Time (Including Bounce) MILLISECOND⁵	2.5	2.5	3.0	2.7
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[Notes](#)

Part Number **HSR-630R** Contact Form C Switch Configuration SPDT Rev. E

Standard Large Form C Switch Suitable for Many Applications

Features	Advantages
<ul style="list-style-type: none"> Hermetically sealed contacts Leaded glass currently exempted from RoHS requirements 	<ul style="list-style-type: none"> Not ESD sensitive Extended operations in extreme environments CSA Certified file # 236890

Electrical Specifications

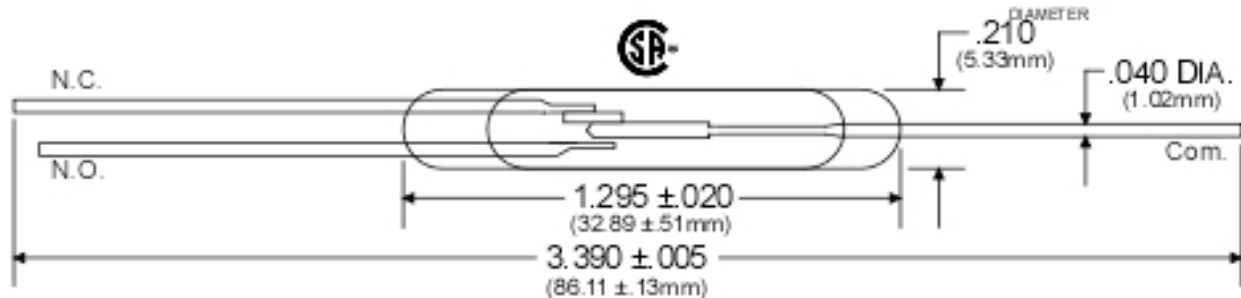
Power		Watts - maximum	25
Voltage	Switching	VDC - maximum	150
	Breakdown	VDC - minimum	350
Current	Switching	Amp - maximum	1
	Carry	Amp - maximum	6.2
Resistance	Initial Contact Resistance	Ohm - maximum	0.10
	Insulation Resistance	Ohm - minimum	1 E9
Capacitance	Contact	pF - typical	2.2
Temperature	Operating	°C	-40 to +125
	Storage	°C	-40 to +200

Magnetic Specifications

Pull - In Range		Ampere Turns	40-80
Test Coil		NARM RS-421-A	Coil IV

Physical/Operational Specifications

Capsule Volume	Excluding Leads	CC - nominal	0.74
Contact Material			Rhodium
Operate Time	Including Bounce	mSeconds - maximum	2.70
Release Time	Including Bounce	mSeconds - maximum	4.50



- 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.