

SS1 Series

Miniature Hall effect switching joystick

MAIN FEATURES

- 4 way switching
- Single pole, off momentary contacts
- IP67 above panel sealing
- Logic level switching
- Made in the USA



The SS1 Series is a miniature low voltage 4-way Hall Effect switching joystick. Featuring contactless, bounce-free technology for reliable logic control, the SS1 has no mechanical switch components to degrade over time. The SS1 Series provides IP67 above panel sealing.

SPECIFICATIONS*

MECHANICAL (X & Y) AXIS	
Angular travel:	30° total (15° each direction from center)
Expected life:	5 million
Centering:	Momentary (spring return to center)
Mass/weight:	15 grams
Recommended panel thickness:	2mm to 4mm
Maximum vertical load:	67.5 lbF
Maximum horizontal load:	50 lbF**

* Specifications subject to change without notice

** Measured 0.62" above surface

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Ruffy Controls, Inc.
3258 Grey Hawk Ct., Carlsbad, CA 92010
ruffycontrols.com

For more information: sales@ruffycontrols.com

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SPECIFICATIONS

ELECTRICAL (X & Y AXIS)	
Switch type:	Hall effect
Switch function:	Momentary
Max supply current:	5mA
Max output current:	10mA
Supply voltage:	1.5-3.6VDC
Max supply/output voltage:	5VDC

ENVIRONMENTAL	
Operating temperature:	-40°C +85°C
Storage temperature:	-40°C +85°C
Above panel sealing:	IP67*
EMC immunity level:	EN61000-4-3 compliance to 30A/m*
EMC emissions level:	EN61000-6-3
ESD immunity level:	EN61000-4-2 compliance to +/-15kV / +/-8kV*

* Extended testing levels.

MATERIALS	
Plastic housing:	Mineral & glass filled nylon
Metal housing:	Gold anodized aluminum
Boot & actuators:	Silicone (with tear resistant additive)

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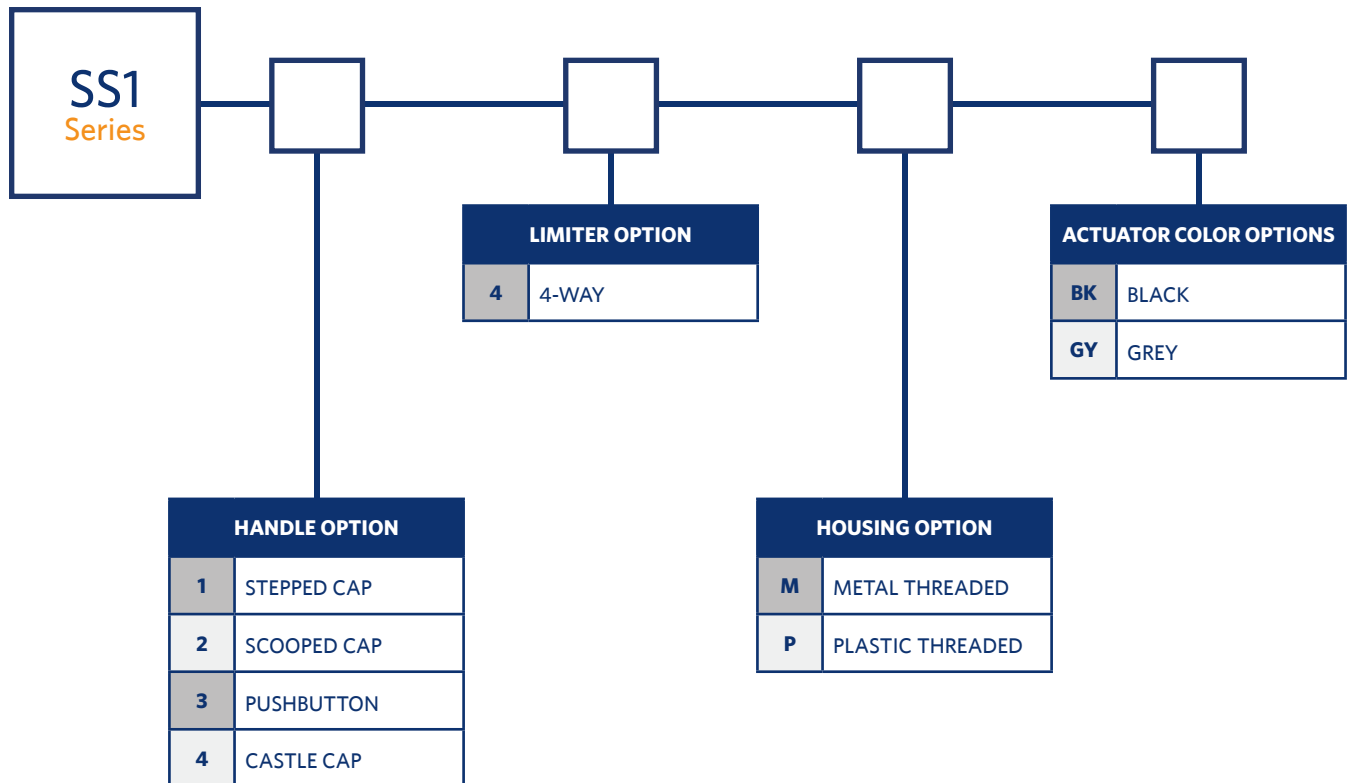
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SS1 SERIES PART NUMBER CODE



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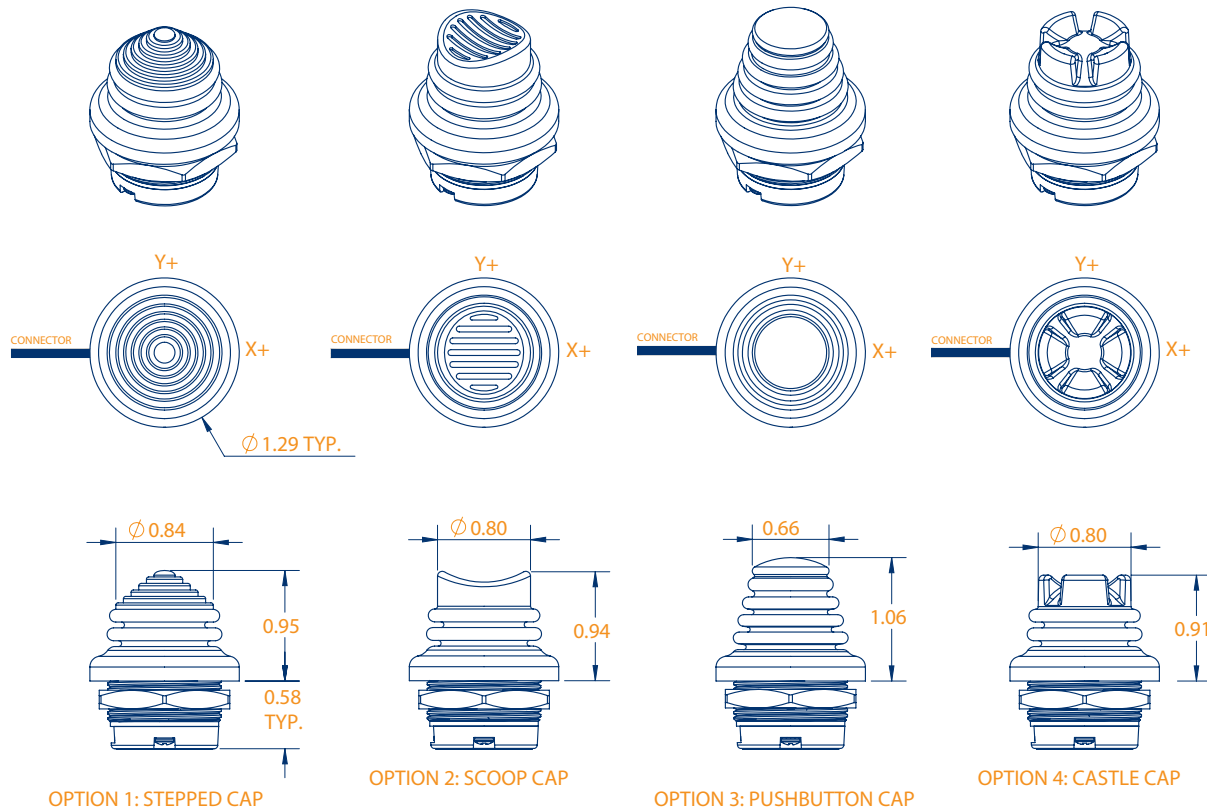
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ACTUATOR OPTIONS



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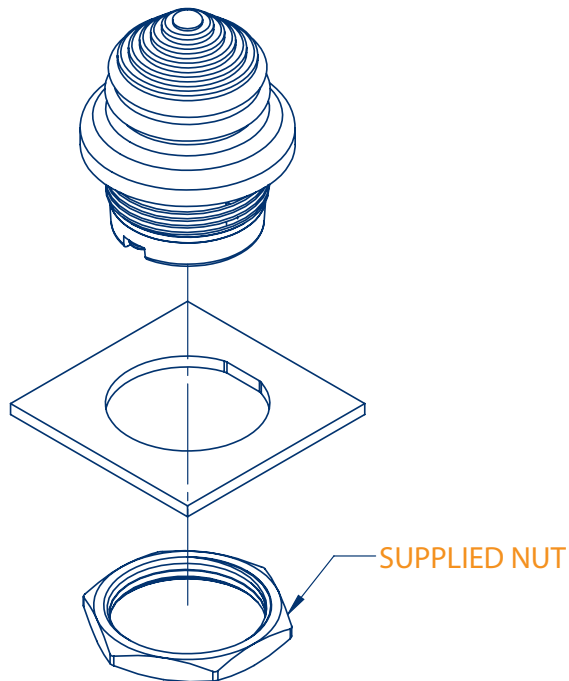
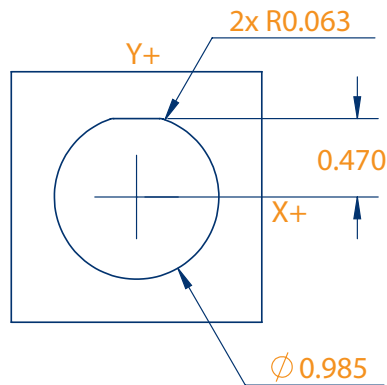


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MOUNTING OPTIONS

THREADED HOUSING PANEL DIMENSIONS



THREADED HOUSING, DROP-IN

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