



SS1 Series
Mini joystick



Features

- Push button switch option
- Four actuator options
- Standard IP67 above panel

Applications

- Industrial remote controllers
- Arm rest control panels

Description

The SS1 is a small four position switch joystick with a push button switch option. This thumb controller is based on contactless Hall effect technology meaning there are no mechanical switch components. This results in a very long operation time expectancy. The SS1 can be supplied with the same threaded body mount and elastomer actuators as the TS1 joystick and it has standard IP67 protection above panel.

Specification

MECHANICAL (X & Y AXIS)	
Angle Of Movement	35° (15° Each Direction)
Expected Cycle Life	5 million
Centering	Spring Return
Max. Vertical load	300 N (67.5 lbF)
Max. Horizontal load	222 N (50 lbF*)
* Measured 15.75 mm (0.62") Above Panel Surface	
ELECTRICAL (X & Y AXIS)	
Switch type	hall effect
Supply voltage	1.5-3.6VDC
Max supply / Output voltage	5VDC
Max supply current	5mA
Max output current	10mA
PUSHBUTTON SWITCH	
Electrical life	300,000 cycles
Rating	50mA, 12VDC
Actuation force	5.12 N (1.15lbF)

■ Specification

ENVIRONMENTAL	
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
IP Sealing Above Panel	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

MOLEX 530480710 CONNECTOR

PIN	Wire colour	Description
1	red	power (+5V)
2	black	ground
3	pink	x- switch
4	blue	x+ switch
5	grey	y- switch
6	yellow	y+ switch
7	orange	pushbutton**

** optional



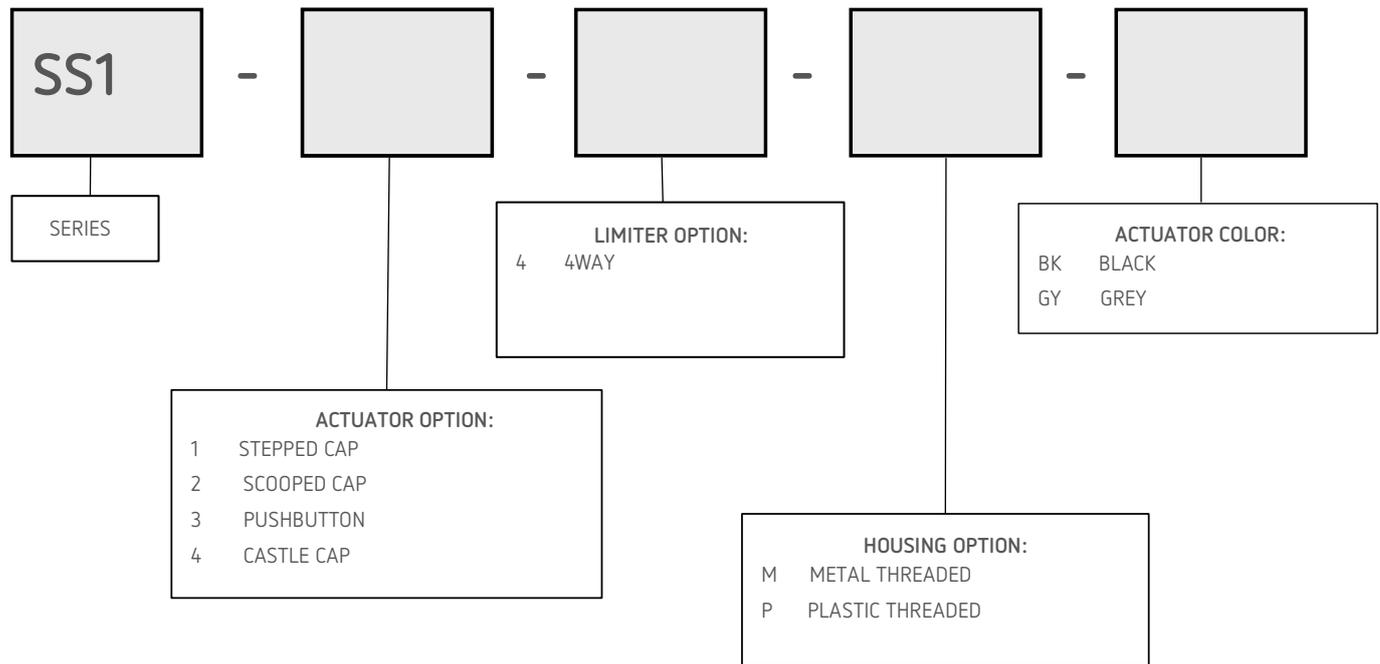
254mm (10") CABLE PROVIDED

MATERIALS

Plastic housing	Mineral & glass filled nylon
Metal housing	Gold anodized aluminium
Boot & actuators	Silicone

IP RATING: IP67 (ABOVE PANEL, ALL CONFIGURATIONS)

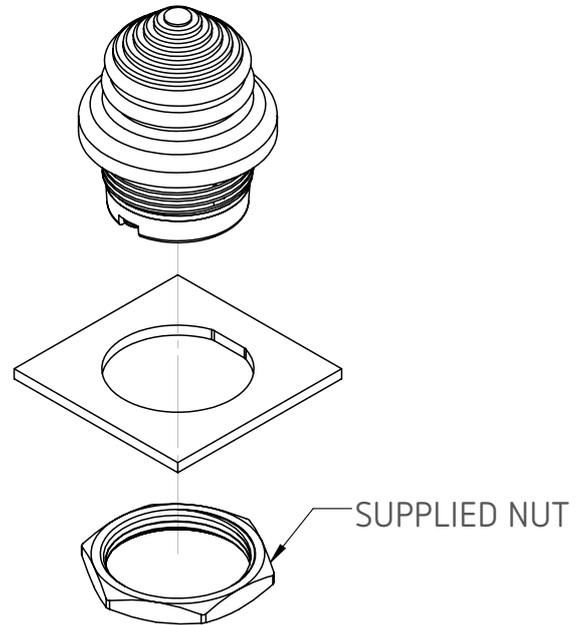
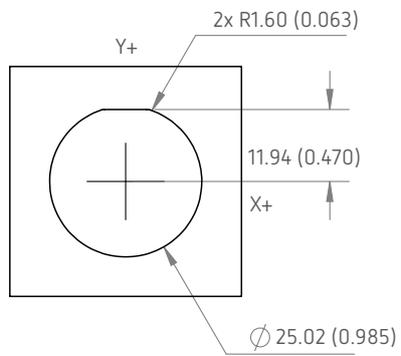
■ Product Configuration Guide



■ **Mounting Options**

Dimensions in millimeters (inches).

THREADED HOUSING PANEL DIMENSIONS



THREADED HOUSING, DROP-IN

Actuator Options

Dimensions in millimeters (inches).

