Analog JSC Series Joystick

The award winning JSC Series joystick base is the next evolution of Sure Grip joysticks. Using the industry proven JSM Joystick as a foundation, the JSC sets the new standard for high performance industrial joystick bases.

Designed for high volume applications, this configurable control can be paired with the perfect Sure Grip handle for your needs. Tested to the most extreme industry standards, the JSC joystick base is built to last.

Configurable to your needs
- Available with many different SGC handles
- Configurable faceplates
- Several operating forces available

Simple installation
- Compact design and minimal below panel depth

Extreme durability, precise control and long life
- IP69K below panel and IP-67 above panel sealing
- Tested to over 20 million operations
- Chemical, salt and UV resistant
- Static loading up to 110 Nm

Dimensions*

*Please see handle technical specifications sheets for handle dimensions.
**Electrical Specifications**

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage (VDC)</td>
<td>4.9</td>
<td>5.0</td>
<td>5.1</td>
</tr>
<tr>
<td>Supply Current (mA)</td>
<td>16.0</td>
<td>20.0</td>
<td>25.0</td>
</tr>
<tr>
<td>Output Voltage Low (VDC)</td>
<td>0.45</td>
<td>0.5</td>
<td>0.7</td>
</tr>
<tr>
<td>Output Voltage Center (VDC)</td>
<td>2.3</td>
<td>2.5</td>
<td>2.7</td>
</tr>
<tr>
<td>Output Voltage High (VDC)</td>
<td>4.3</td>
<td>4.5</td>
<td>4.55</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>Travel</strong></td>
<td>± 20°</td>
</tr>
<tr>
<td><strong>Life Expectancy</strong></td>
<td>20 million operations</td>
</tr>
<tr>
<td><strong>Operating Force</strong></td>
<td>Standard spring: 1.1-1.7 lbs</td>
</tr>
<tr>
<td></td>
<td>Medium spring: 1.8-2.8 lbs</td>
</tr>
<tr>
<td><strong>Maximum Static Load</strong></td>
<td>110 Nm</td>
</tr>
</tbody>
</table>

**Environmental Specifications**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-40°C to +85°C</td>
</tr>
<tr>
<td><strong>Sealing</strong></td>
<td>IP69K/IP67 (handle dependent)</td>
</tr>
<tr>
<td><strong>Vibration</strong></td>
<td>10 Hz to 2 KHz 1.26 Grms (IEC 60068-2-4)</td>
</tr>
<tr>
<td><strong>Shock</strong></td>
<td>25 G for 11 ms all directions (IEC 60068-2-27)</td>
</tr>
</tbody>
</table>

**Output Graphs**

- **Proportional - Parallel Positive**
  - Travel range: -20° to 20°
  - Output range: 0 to 5 VDC
- **Proportional - Mirrored Positive**
  - Travel range: -20° to 20°
  - Output range: 0 to 5 VDC

Specifications are subject to change without notice.
# Analog JSC Series Joystick

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### Product Ordering Guide

#### Instructions

Configure your part number by selecting from the options below. Next, configure your handle functions by clicking on the desired handle type in Box 7 to open the appropriate handle ordering guide.

Once you have your joystick and handle configured part numbers, or need additional assistance to find exactly what you need, please contact your Sure Grip representative.

**Example:**

```
JSC - 2 - A - N - NNNN - L - SU - N - NN - U
```

**Your Configured Part Number:**

```
JSC - 2 - N - NNNN - 6 - 7 - N - 9 - 10
```

## 1. Joystick Model
- **JSC**

## 2. Axis Options
- **2 - Two Axis**

## 3. Output Options
- **A - Analog**
- **RPP – Analog Redundant Parallel Positive**
- **RMP – Analog Redundant Mirrored Positive**

## 4. Gate Options
- **N - None**

## 5. Features
- **NNNN - No Options**

## 6. Spring Options
- **L - Light Force (1.1-1.7 lbs)**
- **M - Medium Force (1.8-2.8 lbs)**

## 7. Handle Options
- **SU - SU Handle**
- **CU - CU Handle**
- **LU - LU Handle**
- **LE - LE Handle**
- **JE - JE Handle**
- **KE - Large Knob**
- **NE - Small Knob**

## 8. Wire Length (Inches)
- **N - None (Integrated Connector)**

## 9. Connector
- **NN - No Connector**
- **DE - Deutsch DT04†**

## 10. Weather Sealing
- **U - Joystick Unsealed**
- **S - Joystick Sealed**

†We will determine the exact model as the number of pins is dependent on number of handle functions

*Refer to graphs on page 2 for details

### Comment Section

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