**Features/Benefits**
- Variety of actuators & terminations
- PC and panel mounting
- Shorting or non-shorting contacts
- RoHS compliant
- Halogen free material

**Typical Applications**
- Test & measurement equipment
- Computer peripherals & network products
- Consumer products

**Specifications**
CONTACT RATING: See individual parts.
MECHANICAL & ELECTRICAL LIFE: 10,000 cycles.
CONTACT RESISTANCE: 20 mΩ or less.
INSULATION RESISTANCE: 100 MΩ min. at 500 VDC.
DIELECTRIC STRENGTH: 500 VAC for 1 minute.
OPERATING TEMPERATURE: −30°C to +70°C.
PACKAGING: Bulk

* For RoHS compatible switches contact customer service.

**How To Order**
Complete part numbers for OS Series Slide Switches are shown on pages I–37 through I–43.

**Materials**
BASE: Phenolic resin.
ACTUATOR: Standard: POM, Black.
High Temperature Option: PA46, Black.
HOUSING: SPCC Sn plated.
MOVABLE CONTACT: Copper alloy, silver plated.
STATIONARY CONTACTS: Brass, silver plated.
TERMINALS: Brass, silver plated.
TERMINAL SEALED.

**NOTE:** Specifications and materials listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

**CONTACT RATING:** 0.1A @ 12 VDC

* "C" option at the end of part number designates high temperature actuators

---

**Contact Information**

**Customerservice**

**www.ckswitches.com**

11 Nov 20

I–37
OS Series
Miniature Slide Switches

OS202011MS2QS1
DPDT

CONTACT RATING: 0.1A @ 12 VDC

PC MOUNTING

PART NUMBER | SWITCH FUNCTION | RoHS Compliant | RoHS Compatible
--- | --- | --- | ---
OS202011MS2QS1 | YES NO | ON ON
OS202011MS2QN1 | YES NO | ON ON

CONN. TERMINALS
1-2, 4-5 2-3, 5-6

OS202013MT5QN1

CONTACT RATING: 0.3A @ 30 VDC

PC MOUNTING

PART NUMBER | SWITCH FUNCTION | RoHS Compliant | RoHS Compatible
--- | --- | --- | ---
OS202013MT5QN1 | YES NO | ON ON

CONN. TERMINALS
1-2, 4-5 2-3, 5-6

Actuator shown in pos. 2

Actuator shown in pos. 3

Actuator shown in pos. 1

Specifications and dimensions subject to change
**OS Series**

**Miniature Slide Switches**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>ROHS Compliant</th>
<th>ROHS Compatible</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS203013MT7QN1 (Non-shorting)</td>
<td>YES</td>
<td>NO</td>
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</tbody>
</table>

**CONN. TERMINALS**

| 1-2, 4-5 | 2-3, 5-6 |

**SWITCH FUNCTION**

<table>
<thead>
<tr>
<th>POS.1</th>
<th>POS.2</th>
<th>POS.3</th>
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<tbody>
<tr>
<td>ON</td>
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**CONTACT RATING:** 0.3A @ 30 VDC

---

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>RoHS Compliant</th>
<th>RoHS Compatible</th>
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</thead>
<tbody>
<tr>
<td>OS202013MT8QN1 (Non-shorting)</td>
<td>YES</td>
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**CONN. TERMINALS**

| 1-2, 4-5 | 2-3, 5-6 |

**SWITCH FUNCTION**

<table>
<thead>
<tr>
<th>POS.1</th>
<th>POS.2</th>
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<tbody>
<tr>
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**CONTACT RATING:** 0.3A @ 30 VDC

---

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>ROHS Compliant</th>
<th>ROHS Compatible</th>
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</thead>
<tbody>
<tr>
<td>OS203013MT8QN1 (Non-shorting)</td>
<td>YES</td>
<td>NO</td>
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</table>

**CONN. TERMINALS**

| 1-2, 5-6 | 2-3, 6-7 | 3-4, 7-8 |

**SWITCH FUNCTION**

<table>
<thead>
<tr>
<th>POS.1</th>
<th>POS.2</th>
<th>POS.3</th>
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<tr>
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<td>OFF</td>
</tr>
</tbody>
</table>

**CONTACT RATING:** 0.3A @ 30 VDC

---

**Third Angle Projection**

Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

---

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www.ckswitches.com
OS Series
Miniature Slide Switches

OS203013MT6QN1
DP3T

OS103012MU1QP1
SP3T

OS103012MU2QP1
SP3T
OS Series
Miniature Slide Switches

**PART NUMBER**

<table>
<thead>
<tr>
<th>OS203012MU5QP1 (Non-specified)</th>
<th>OS203011MV9QS1 (Shorting)</th>
<th>OS203011MV9QN1 (Non-shorting)</th>
<th>OS203012MU5QP1 (Non-specified)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONN. TERMINALS</strong></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td><strong>CONTACT RATING: 0.1A @ 30 VDC</strong></td>
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</tbody>
</table>

**CONTACT RATING: 0.1A @ 30 VDC**

**CONTACT RATING: 0.1A @ 30 VDC**

**CONTACT RATING: 0.1A @ 30 VDC**

**Dimensions are shown: Inches (mm)**

Specifications and dimensions subject to change

[www.ckswitches.com](http://www.ckswitches.com)
## OS Series

### Miniature Slide Switches

#### OS102011MA1QN1
**SPDT**

- **Actuator shown in pos. 2**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SWITCH FUNCTION</th>
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</thead>
<tbody>
<tr>
<td>OS102011MA1QN1</td>
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<tr>
<td>(Non-shorting)</td>
<td>YES YES ON ON</td>
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</table>

#### OS103011MA7QP1
**SP3T**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SWITCH FUNCTION</th>
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</thead>
<tbody>
<tr>
<td>OS103011MA7QP1</td>
<td>YES NO ON ON</td>
</tr>
<tr>
<td>(Non-spec/ied)</td>
<td>YES ON ON ON</td>
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</table>

#### OS203011MA2QP1
**DP3T**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SWITCH FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS203011MA2QP1</td>
<td>YES NO ON ON</td>
</tr>
<tr>
<td>(Non-spec/ied)</td>
<td>YES ON ON ON</td>
</tr>
</tbody>
</table>

#### Specifications and Dimensions

- **PC Mounting**
  - Switching Stroke: 1.2 mm
  - Contact Gap: 0.3 mm
  - Contact Resistance: 0.1 A @ 12 VDC
  - Contact Life: 10,000 Operations

- **Contact Rating:** 0.1 A @ 12 VDC

- **C** option at the end of part number designates high temperature actuators

### Contact Ratings

- **Contact Rating:** 0.1 A @ 12 VDC

### Contact Sizes

- **Contact Sizes:** 12.2 mm x 4 mm x 2 mm

---

*Dimensions are shown: Inch (mm)*

*Specifications and dimensions subject to change*
**OS Series**

**Miniature Slide Switches**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>CONNECTION TERMINALS</th>
<th>SWITCH FUNCTION</th>
<th>POS.1</th>
<th>POS.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS202011MA0QN1 (Non-shorting)</td>
<td>1-2, 4-5</td>
<td>YES</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>OS202011MA0QS1 (Shorting)</td>
<td>2-3, 5-6</td>
<td>YES</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

**Schematic**

- CONTACT RATING: 0.1A @ 12 VDC

**Actuator shown in pos. 1**

**PC MOUNTING**

**Dimensions are shown: Inches (mm)**

Specifications and dimensions subject to change.