OS Series
Miniature Slide Switches

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

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.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SWITCH FUNCTION</th>
<th>POS. 1</th>
<th>POS. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS102011MS2QN1 (non-shorting)</td>
<td>SPDT</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OS102011MS2QN2C* (non-shorting)</td>
<td>SPDT</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>OS102011MS2QS1 (shorting)</td>
<td>SPDT</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OS102011MS2QS1C* (shorting)</td>
<td>SPDT</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

CONTACT RATING: 0.1A @ 12 VDC

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

Materials
BASE: Phenolic resin.
ACTUATOR: Standard: POM, Black.
High Temperature Option: PA46, Black.
HOUSING PLATE: Non-compatible; SPCC Sn plated.
Compatible; SPCC Ni 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.

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.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SWITCH FUNCTION</th>
<th>POS. 1</th>
<th>POS. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS103011MS8QP1 (Non-specified)</td>
<td>SP3T</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OS103011MS8QP1C* (Non-specified)</td>
<td>SP3T</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

CONTACT RATING: 0.1A @ 12 VDC

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

Materials
BASE: Phenolic resin.
ACTUATOR: Standard: POM, Black.
High Temperature Option: PA46, Black.
HOUSING PLATE: Non-compatible; SPCC Sn plated.
Compatible; SPCC Ni 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.

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.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SWITCH FUNCTION</th>
<th>POS. 1</th>
<th>POS. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS103011MS8QP1 (Non-specified)</td>
<td>SP3T</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OS103011MS8QP1C* (Non-specified)</td>
<td>SP3T</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

CONTACT RATING: 0.1A @ 12 VDC

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

Materials
BASE: Phenolic resin.
ACTUATOR: Standard: POM, Black.
High Temperature Option: PA46, Black.
HOUSING PLATE: Non-compatible; SPCC Sn plated.
Compatible; SPCC Ni 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.

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.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SWITCH FUNCTION</th>
<th>POS. 1</th>
<th>POS. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS103011MS8QP1 (Non-specified)</td>
<td>SP3T</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>OS103011MS8QP1C* (Non-specified)</td>
<td>SP3T</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

CONTACT RATING: 0.1A @ 12 VDC

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

Materials
BASE: Phenolic resin.
ACTUATOR: Standard: POM, Black.
High Temperature Option: PA46, Black.
HOUSING PLATE: Non-compatible; SPCC Sn plated.
Compatible; SPCC Ni 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.
OS Series
Miniature Slide Switches

OS202011MS2QS1
DPDT

PART NUMBER
OS202011MS2QS1

SWITCH FUNCTION
POS.1
POS.2
YES NO ON ON

PC MOUNTING

CONTACT RATING: 0.1A @ 12 VDC

Actuator shown in pos. 1

OS203011MS1QP1
DP3T

PART NUMBER
OS203011MS1QP1

SWITCH FUNCTION
POS.1
POS.2
POS.3
YES NO ON ON ON

PC MOUNTING

CONTACT RATING: 0.3A @ 30 VDC

Actuator shown in pos. 3

OS202013MT5QN1
DPDT

PART NUMBER
OS202013MT5QN1

SWITCH FUNCTION
POS.1
POS.2
YES NO ON ON

PC MOUNTING

CONTACT RATING: 0.3A @ 30 VDC

Actuator shown in pos. 1

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

www.ck-components.com
## OS Series
### Miniature Slide Switches

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>ROHS Compliant</th>
<th>ROHS Compatible</th>
<th>SWITCH FUNCTION</th>
<th>POS. 1</th>
<th>POS. 2</th>
<th>POS. 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS203013MT7QN1</td>
<td>YES</td>
<td>NO</td>
<td>DP3T</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>OS202013MT8QN1</td>
<td>YES</td>
<td>NO</td>
<td>DPDT</td>
<td>ON</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>OS203013MT8QN1</td>
<td>YES</td>
<td>NO</td>
<td>DP3T</td>
<td>ON</td>
<td>ON</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications
- **Contact Rating:** 0.3A @ 30 VDC

### Schematic
- **Actuator shown in pos. 3**

### PIN LAYOUT

### PC MOUNTING

- **Actuator shown in pos. 1**

---

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

Specifications and dimensions subject to change.
OS Series
Miniature Slide Switches

Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

www.ck-components.com

OS203013MT6QN1

PC MOUNTING

CONTACT RATING: 0.2A @ 30 VDC

Actuator shown in pos. 3

DS3T

PART NUMBER
OS203013MT6QN1
SWITCH FUNCTION
ROHS Compliant
ROHS Compatible
POS. 1
POS. 2
POS. 3

OS103012MU1QP1

PC MOUNTING

CONTACT RATING: 0.2A @ 30 VDC

Actuator shown in pos. 1

SP3T

PART NUMBER
OS103012MU1QP1
SWITCH FUNCTION
ROHS Compliant
ROHS Compatible
POS. 1
POS. 2
POS. 3

OS103012MU2QP1

CONTACT RATING: 0.2A @ 30 VDC

Actuator shown in pos. 1

SP3T

PART NUMBER
OS103012MU2QP1
SWITCH FUNCTION
ROHS Compliant
ROHS Compatible
POS. 1
POS. 2
POS. 3

PC MOUNTING

CONTACT RATING: 0.2A @ 30 VDC

Actuator shown in pos. 1

SP3T

PART NUMBER
OS103012MU2QP1
SWITCH FUNCTION
ROHS Compliant
ROHS Compatible
POS. 1
POS. 2
POS. 3
## OS Series

### Miniature Slide Switches

**PART NUMBER**

<table>
<thead>
<tr>
<th>OS203012MU5QP1</th>
<th>OS203011MV9QS1</th>
</tr>
</thead>
</table>
| **SWITCH FUNCTION**
| POS.1 | POS.2 | POS.3 |
| DP3T | YES | NO | ON | ON | ON |

**CONN. TERMINALS**

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

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

---

**PART NUMBER**

<table>
<thead>
<tr>
<th>OS202011MV4QN1</th>
</tr>
</thead>
</table>

**SWITCH FUNCTION**

| POS.1 | POS.2 |
|-----------------|
| DPDT | YES | NO |

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

---

**PART NUMBER**

<table>
<thead>
<tr>
<th>OS203011MV9QS1</th>
</tr>
</thead>
</table>

**SWITCH FUNCTION**

| POS.1 | POS.2 |
|-----------------|
| DP3T | YES | NO |

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

---

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

Specifications and dimensions subject to change.

---

C&K Components

www.ck-components.com
### OS Series Miniature Slide Switches

#### OS102011MA1QN1
**SPDT**

**PC MOUNTING**

- **CONTACT RATING:** 0.1A @ 12 VDC
- *"C" option at the end of part number designates high temperature actuators*

#### OS103011MA7QP1
**SP3T**

**PC MOUNTING**

- **CONTACT RATING:** 0.1A @ 12 VDC
- *"C" option at the end of part number designates high temperature actuators*

#### OS203011MA2QP1
**DP3T**

**PC MOUNTING**

- **CONTACT RATING:** 0.1A @ 12 VDC
- *"C" option at the end of part number designates high temperature actuators*
### OS Series
### Miniature Slide Switches

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

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>Switch Function</th>
<th>POS.1</th>
<th>POS.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS20201MA0QN1</td>
<td>(Non-shorting)</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>OS20201MA0QS1</td>
<td>(Shorinng)</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

**PC MOUNTING**

### Actuator shown in pos. 1

---

Dimensions are shown: Inches [mm]
Specifications and dimensions subject to change

www.ck-components.com