

OS Series Miniature Slide Switches

Features/Benefits

- Variety of actuators & terminations
- PC and panel mounting
- Gold or silver plating available
- Shorting or non-shorting contacts
- RoHS compliant

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: -10°C to +70°C.
PACKAGING: Bulk

* For RoHS compatible switches contact customer service.

Materials

BASE: Phenolic resin.
ACTUATOR: POM, black.
HOUSING PLATE: Non-compatible; SPCC Sn plated.
Compatible; SPCC Ni plated.
MOVABLE CONTACT: Copper alloy, silver plated or gold.
STATIONARY CONTACTS: Brass, silver plated.
TERMINALS: Brass, silver plated (Gold plate - Contact customer service).
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.

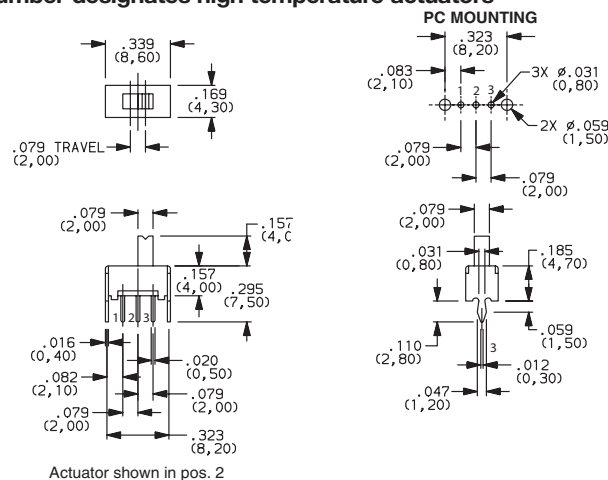
How To Order

Complete part numbers for OS Series Slide Switches are shown on pages I-37 through I-43.

NOTE: Adding "C" option at the end of part number designates high temperature actuators

PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS102011MS2QN1 (non-shorting)	YES	NO	ON	ON
OS102011MS2QN1C (non-shorting)	YES	YES	ON	ON
OS102011MS2QS1 (shorting)	YES	NO	ON	ON
OS102011MS2QS1C (shorting)	YES	YES	ON	ON
CONN. TERMINALS			1-2	2-3
SCHEMATIC 				
SPDT				

CONTACT RATING: 0.1A @ 12 VDC

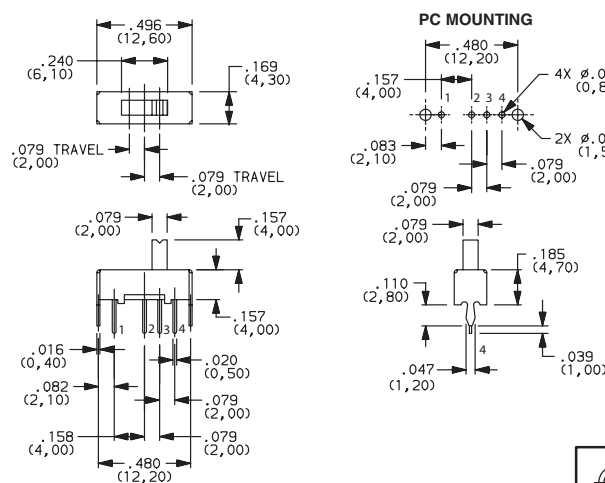


Actuator shown in pos. 2

OS102011MS2QN1
SPDT

PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS103011MS8QP1 (Non-specified)	YES	NO	ON	ON	ON
OS103011MS8QP1C (Non-specified)	YES	YES	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC 					
SP3T					

CONTACT RATING: 0.1A @ 12 VDC



Actuator shown in pos. 3

OS103011MS8QP1
SP3T



Third Angle
Projection

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



OS Series

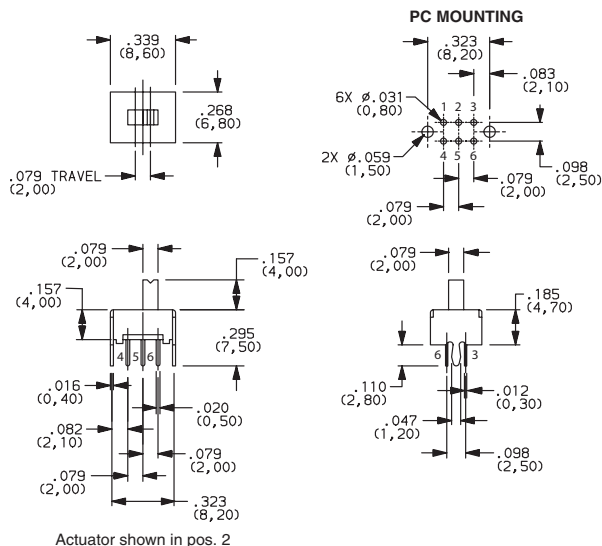
Miniature Slide Switches






Slide



OS202011MS2QS1
DPDT

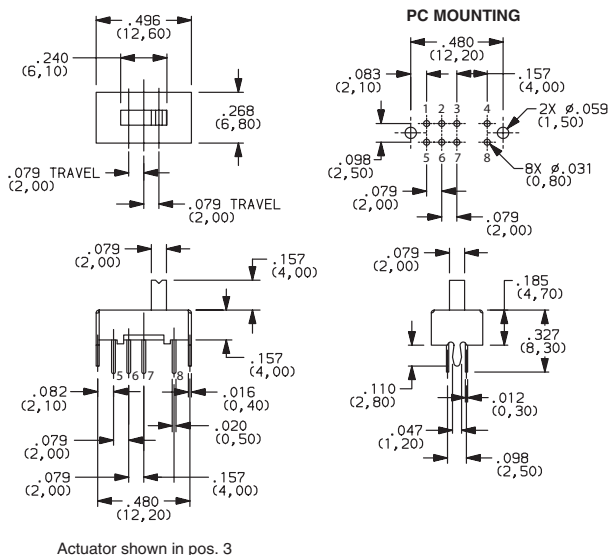





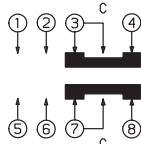
PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS202011MS2QS1 (Shorting)	YES	NO		
OS202011MS2QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

CONTACT RATING: 0.1A @ 12 VDC



OS203011MS1QP1
DP3T

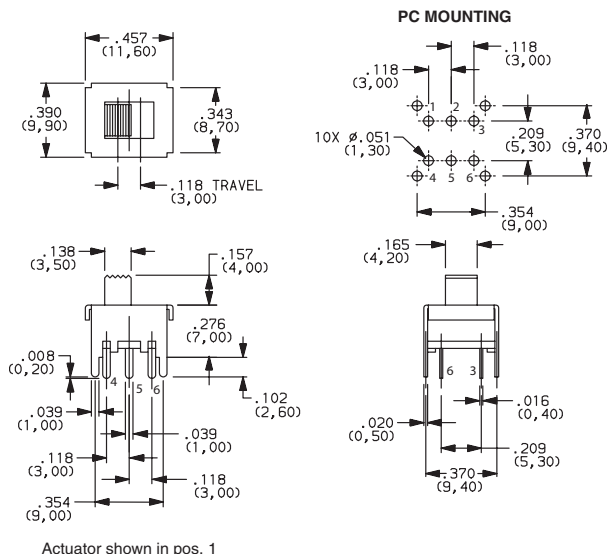





PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS203011MS1QP1 (Non-specified)	YES	NO			
CONN. TERMINALS			1-3, 5-7	2-3, 6-7	3-4, 7-8
SCHEMATIC					
					
DP3T					

CONTACT RATING: 0.3A @ 30 VDC



OS202013MT5QN1
DPDT



PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS202013MT5QN1 (Non-shorting)	YES	NO		
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

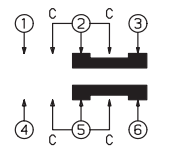


CONTACT RATING: 0.3A @ 30 VDC



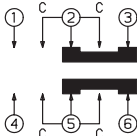
Third Angle
Projection

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

OS Series Miniature Slide Switches

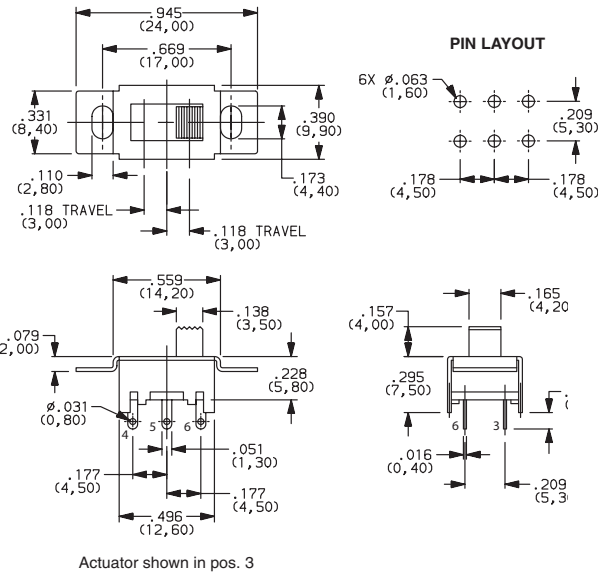
			SWITCH FUNCTION		
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible			
OS203013MT7QN1 (Non-shorting)	YES	NO	ON	OFF	ON
CONN. TERMINALS			1-2, 4-5		2-3, 5-6



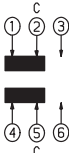
SCHEMATIC



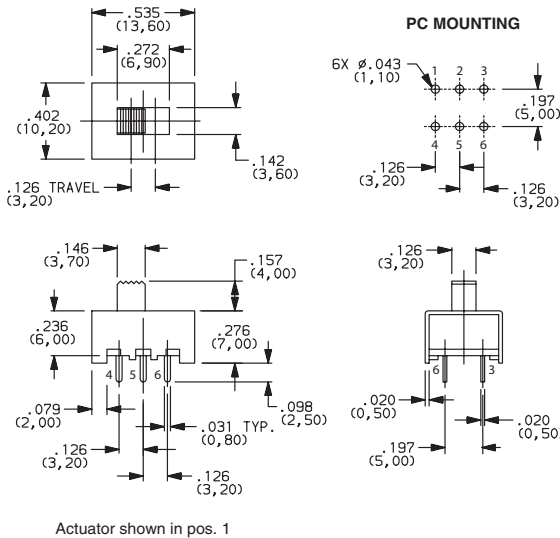
DP3T




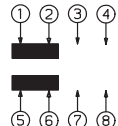
CONTACT RATING: 0.3A @ 30 VDC



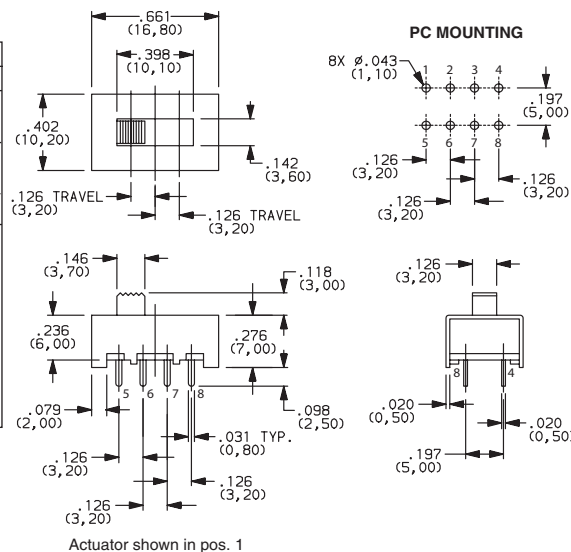
PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS202013MT8QN1 (Non-shorting)	YES	NO		
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

CONTACT RATING: 0.3A @ 30 VDC



			SWITCH FUNCTION		
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible			
OS203013MT8QN1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	3-4, 7-8
SCHEMATIC					
					
DP3T					

CONTACT RATING: 0.3A @ 30 VDC



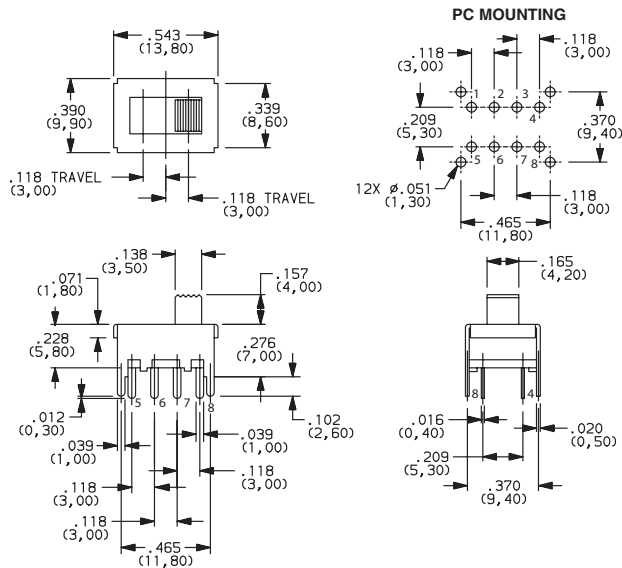
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

OS Series

Miniature Slide Switches



OS203013MT6QN1
DP3T



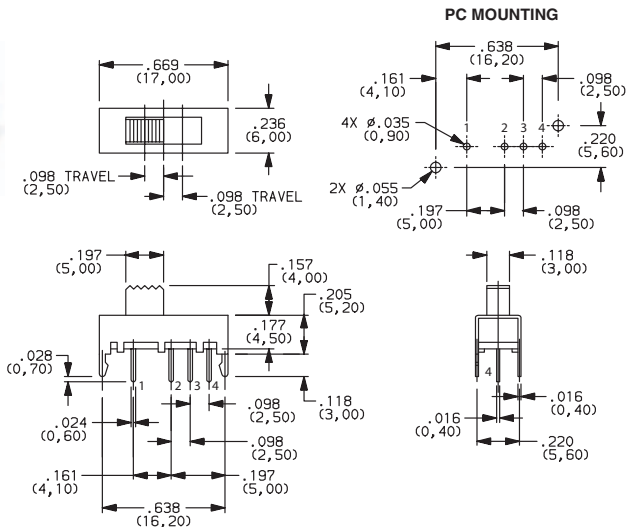
Actuator shown in pos. 3

PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS203013MT6QN1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	3-4, 7-8
SCHEMATIC					
DP3T					

CONTACT RATING: 0.2A @ 30 VDC



OS103012MU1QP1
SP3T



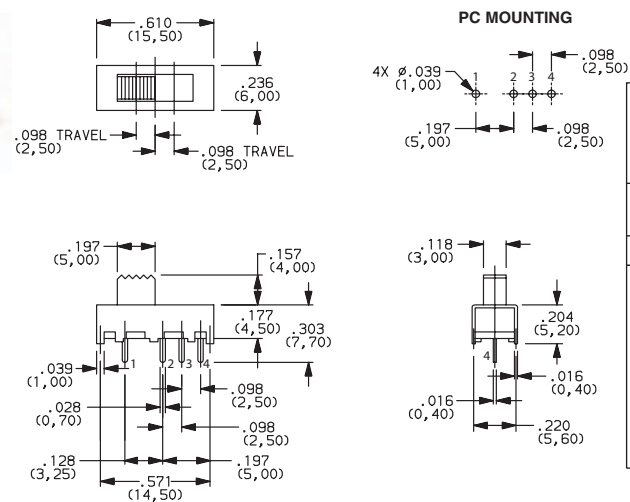
Actuator shown in pos. 1

PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS103012MU1QP1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
SP3T					

CONTACT RATING: 0.2A @ 30 VDC



OS103012MU2QP1
SP3T



Actuator shown in pos. 1

PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS103012MU2QP1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
SP3T					

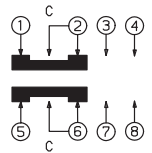
CONTACT RATING: 0.2A @ 30 VDC



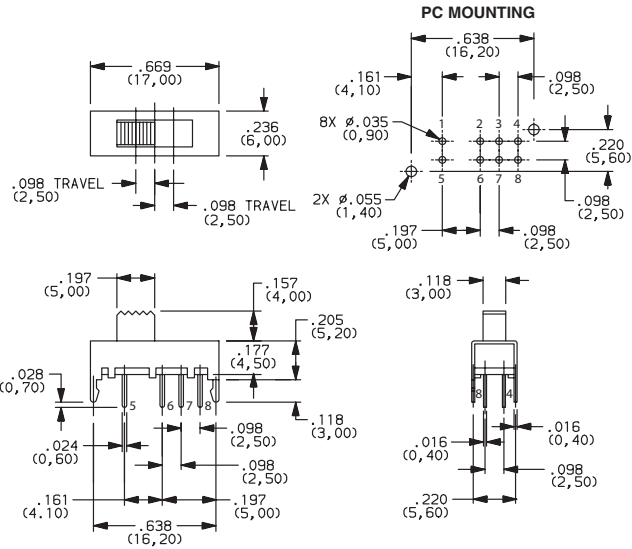
Third Angle
Projection

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

OS Series Miniature Slide Switches

PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS203012MU5QP1 (Non-specified)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	2-4, 6-8
SCHEMATIC 					
DP3T					

CONTACT RATING: 0.1A @ 30 VDC

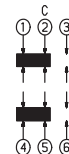


OS203012MU5QP1
DP3T

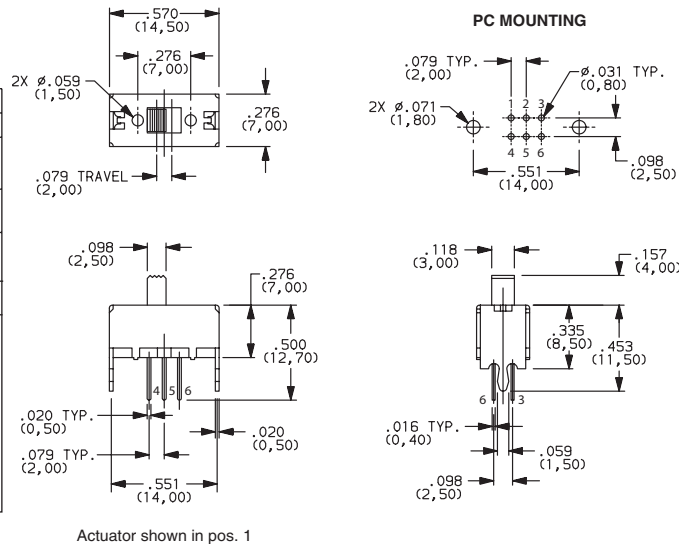


Slide

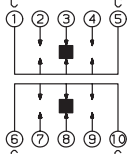
Slide

PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS202011MV4QN1 (Non-shorting)	YES	NO	ON	ON
OS202011MV4QS1 (Shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC 				
DPDT				

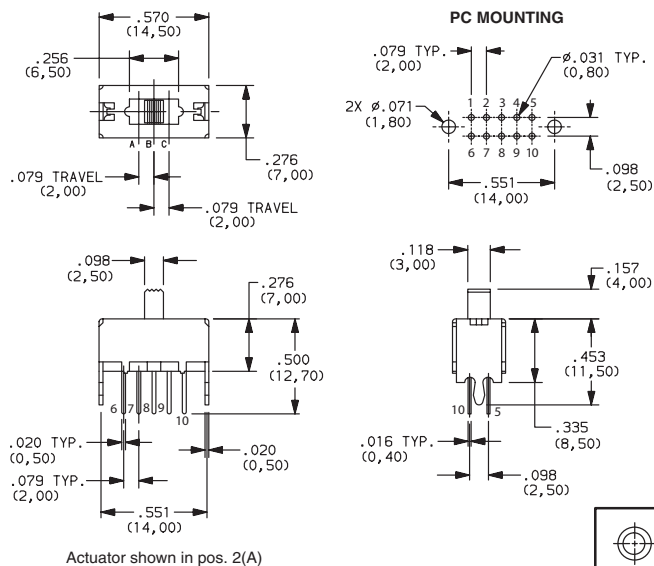
CONTACT RATING: 0.1A @ 30 VDC



OS202011MV4QN1
DPDT

PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS203011MV9QS1 (Shorting)	YES	NO	ON	ON	ON
OS203011MV9QN1 (Non-Shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2-5 6-7-10	1-3-5 6-8-10	1-4-5 6-9-10
SCHEMATIC 					
DP3T					

CONTACT RATING: 0.1A @ 30 VDC



OS203011MV9QS1
DP3T



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



OS Series

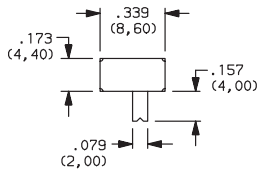
Miniature Slide Switches



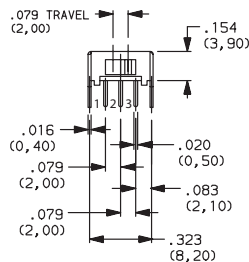
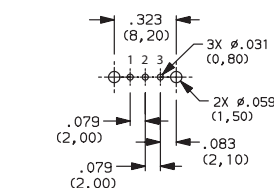
Slide






OS102011MA1QN1
SPDT



PC MOUNTING



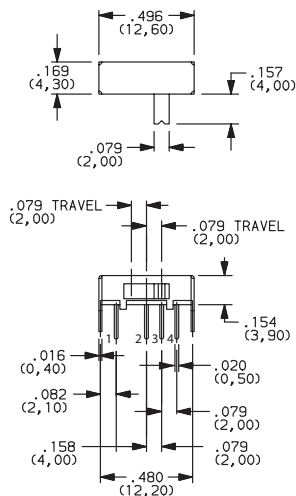
Actuator shown in pos. 2

PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
				
OS102011MA1QN1 (Non-shorting)	YES	NO	ON	ON
OS102011MA1QN1C (Non-shorting)	YES	YES	ON	ON
OS102011MA1QS1 (Shorting)	YES	NO	ON	ON
OS102011MA1QS1C (Shorting)	YES	YES	ON	ON
CONN. TERMINALS			1-2	2-3
SCHEMATIC				
<div></div>				
SPDT				

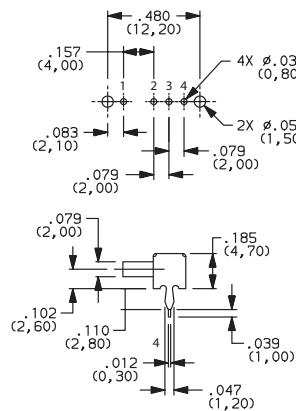
CONTACT RATING: 0.1A @ 12 VDC






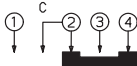
OS103011MA7QP1
SP3T



PC MOUNTING



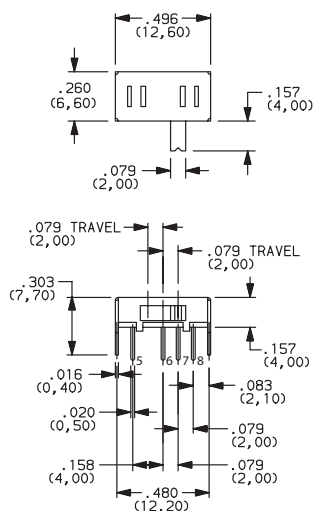
Actuator shown in pos. 3

PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS103011MA7QP1 (Non-specified)	YES	NO			
OS103011MA7QP1C (Non-specified)	YES	YES	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
<div></div>					
SP3T					

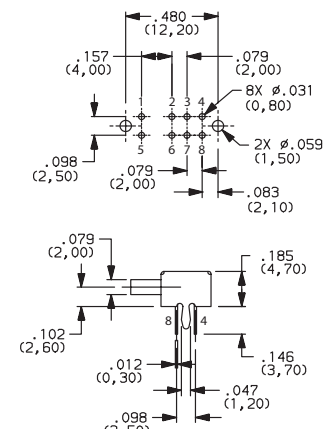
CONTACT RATING: 0.1A @ 12 VDC






OS203011MA2QP1
DP3T



PC MOUNTING



Actuator shown in pos. 3

PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS203011MA2QP1 (Non-specified)	YES	NO			
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	2-4, 6-8
SCHEMATIC					
DP3T					

CONTACT RATING: 0.1A @ 12 VDC



Third Angle
Projection

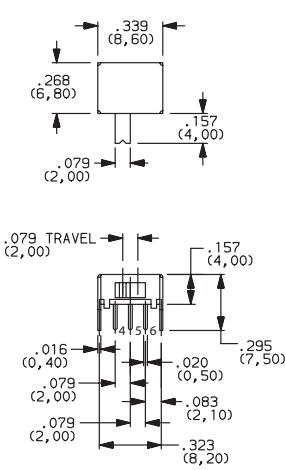
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

www.ck-components.com

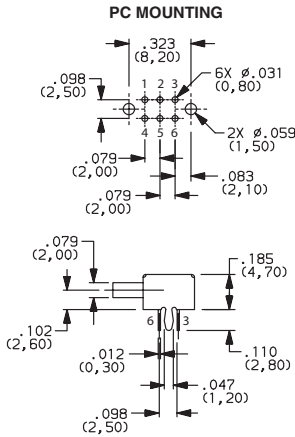
OS Series Miniature Slide Switches

PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION	
			POS.1	POS.2
OS202011MA0QN1 (Non-shorting)	YES	NO	ON	ON
OS202011MA0QS1 (Shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC <div> </div>				
DPDT <div> </div>				

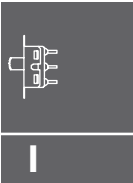
CONTACT RATING: 0.1A @ 12 VDC



Actuator shown in pos. 1



OS202011MA0QN1
DPDT



Slide