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Please visit our website for pricing and availability at www.hestore.hu.

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

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 m Ω or less.
INSULATION RESISTANCE: 100 M Ω 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.

Materials

BASE: Phenolic resin.
ACTUATOR: POM, 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.

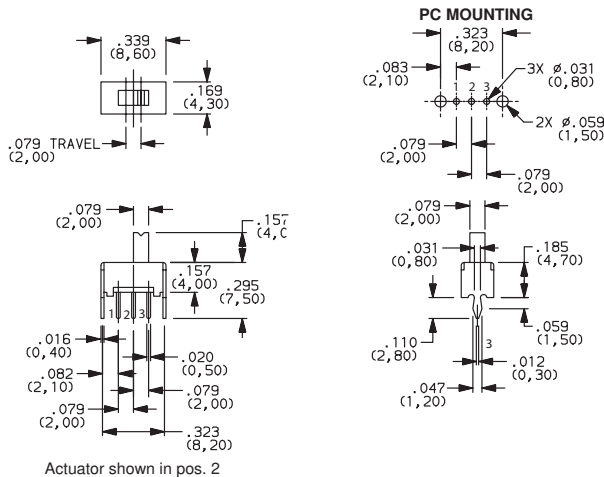
How To Order

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

PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION	
			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

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

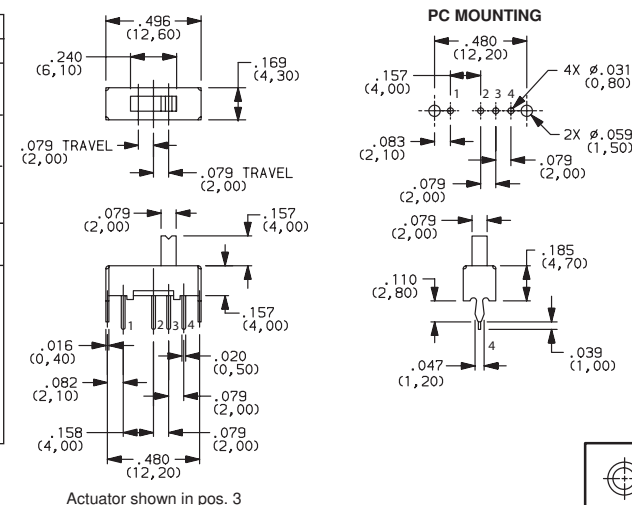


OS102011MS2QN1
SPDT

PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			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

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



OS103011MS8QP1
SP3T



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

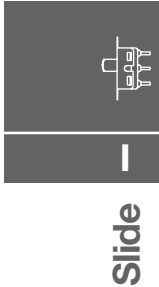
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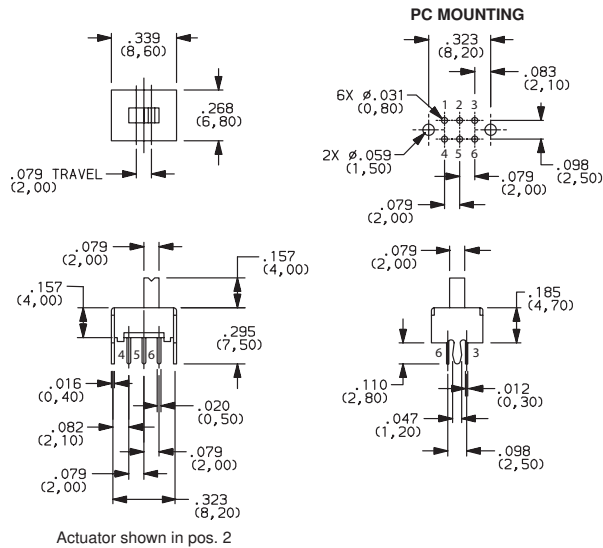
9 nov 16

OS Series

Miniature Slide Switches



OS202011MS2QS1
DPDT

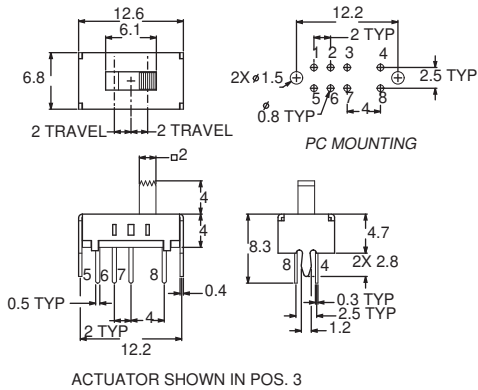


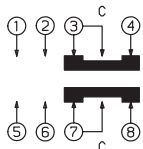
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	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS202011MS2QS1 (Shorting)	YES	NO		
OS202011MS2QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

CONTACT RATING: 0.1A @ 12 VDC



OS203011MS1QP1
DP3T

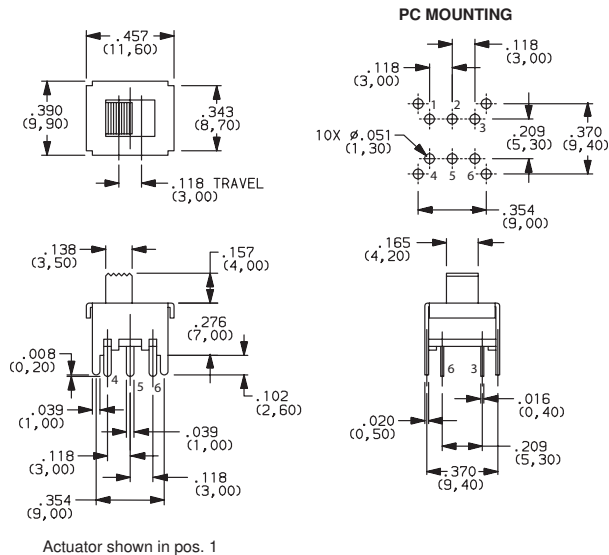


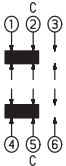
PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS203011MS1QP1 (Non-specified)	YES	NO			
CONN. TERMINALS			1-3, 5-7	2-3, 6-7	3-4, 7-8
SCHEMATIC					
					
DP3T					

CONTACT RATING: 0.3A @ 30 VDC



OS202013MT5QN1
DPDT

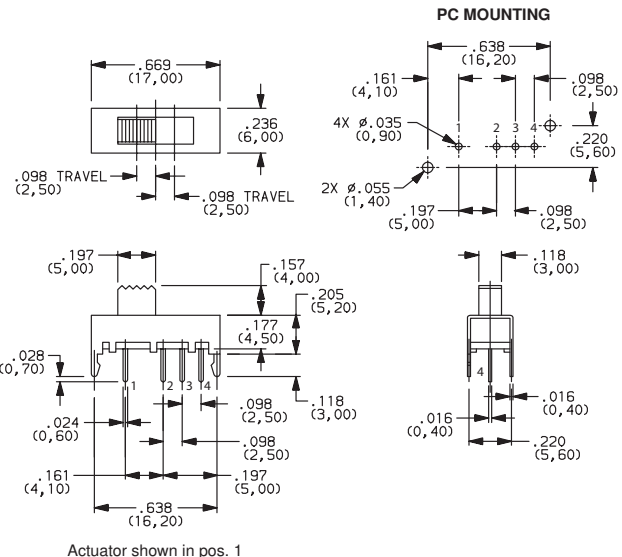


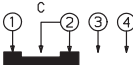
PART NUMBER			SWITCH FUNCTION	
			POS.1	POS.2
	RoHS Compliant	RoHS Compatible		
OS202013MT5QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

CONTACT RATING: 0.3A @ 30 VDC



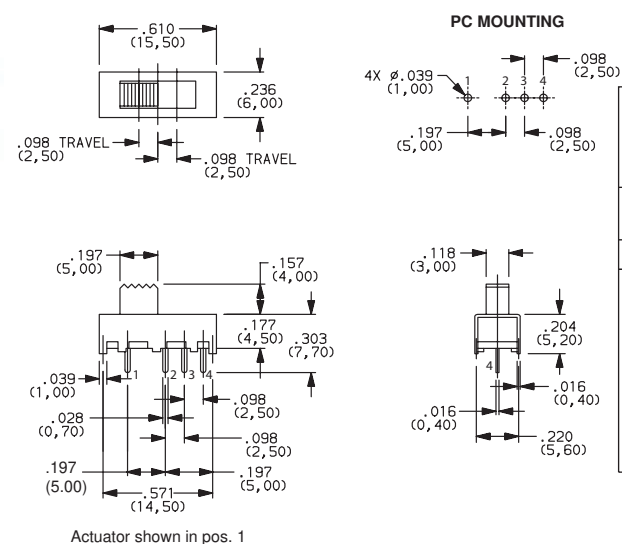
OS103012MU1QP1
SP3T

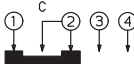


			SWITCH FUNCTION		
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible			
OS103012MU1QP1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
					
SP3T					
CONTACT RATING: 0.2A @30 VDC					



OS103012MU2QP1
SP3T



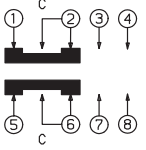
			SWITCH FUNCTION		
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible			
OS103012MU2QP1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
					
SP3T					
CONTACT RATING: 0.2A @30 VDC					



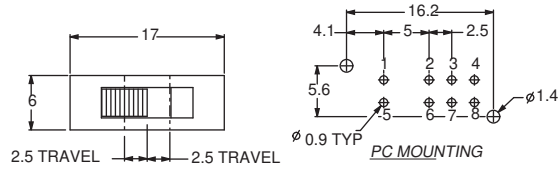
Third Angle Projection

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

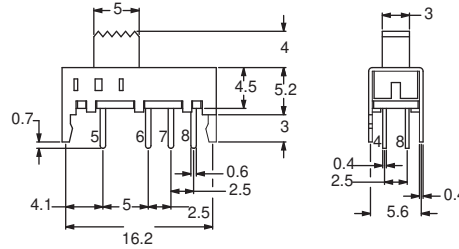
OS Series Miniature Slide Switches

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					

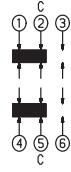
CONTACT RATING: 0.1A @30 VDC



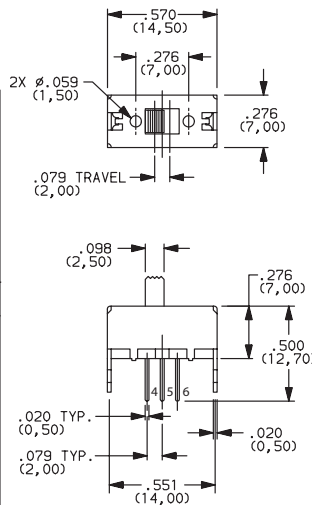
OS203012MU5QP1
DP3T



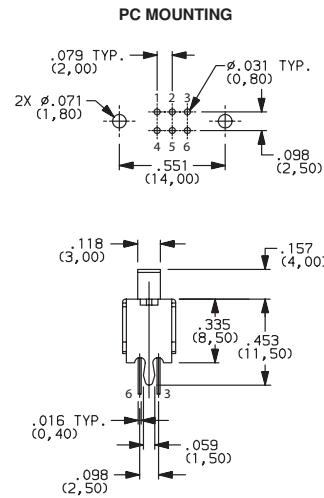
ACTUATOR SHOWN IN POS. 1

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				

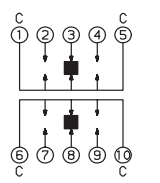
CONTACT RATING: 0.1A @30 VDC



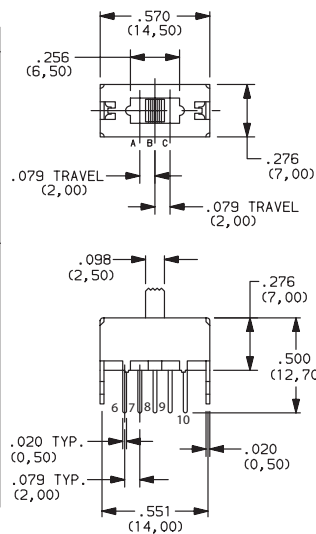
Actuator shown in pos. 1



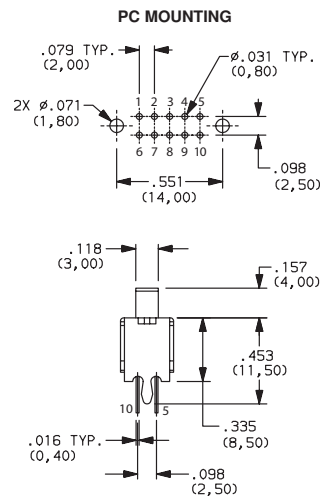
OS202011MV4QN1
DPDT

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



Actuator shown in pos. 2(A)



OS203011MV9QS1
DP3T



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

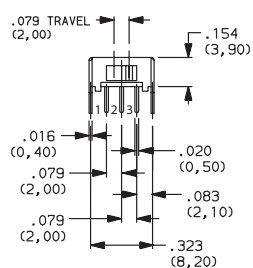
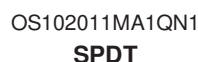
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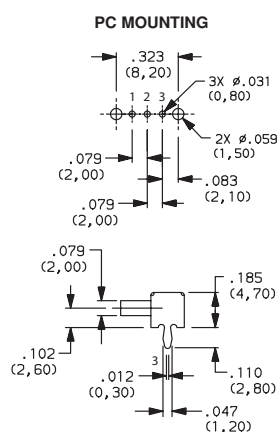
9 nov 16

Technical drawing of a 2-pin connector. The drawing shows a side view of the component with the following dimensions:

- Overall width: .339 (8,60)
- Distance from left edge to center of pins: .173 (4,40)
- Distance from center of pins to right edge: .157 (4,00)
- Pin pitch (distance between centers of pins): .079 (2,00)



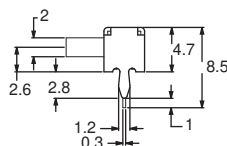
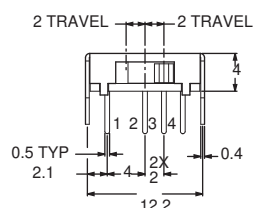
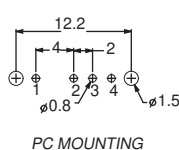
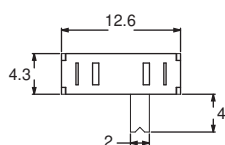
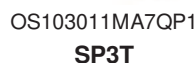
Actuator shown in pos. 2



PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS102011MA1QN1 (Non-shorting)	YES	NO		
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				
				
SPDT				

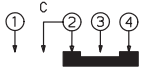
CONTACT RATING: 0.1A @ 12 VDC

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



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

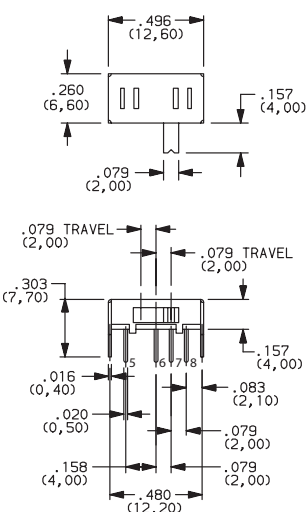
SCHEMATIC



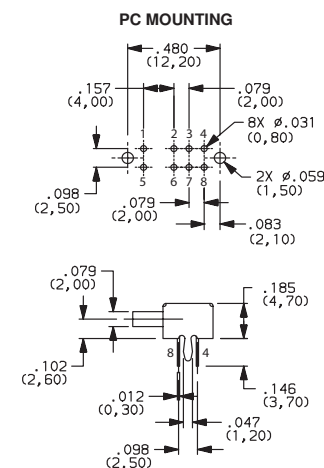
SP3T

CONTACT RATING: 0.1A @12 VDC

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

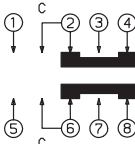


Actuator shown in pos. 3



PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	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



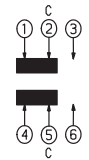
DP3T

CONTACT RATING: 0.1A @12 VDC

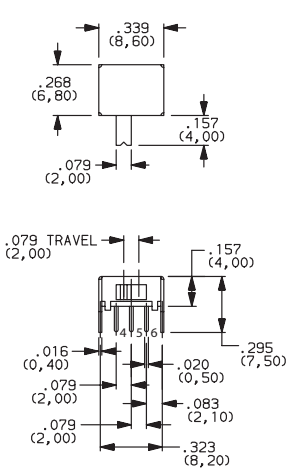


Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

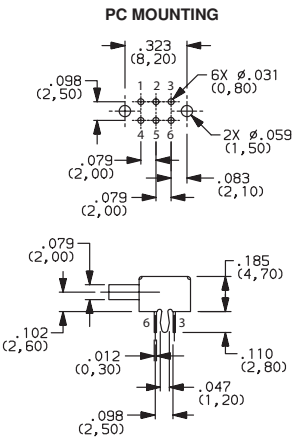
OS Series Miniature Slide Switches

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				
				
DPDT				

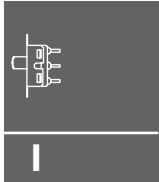
CONTACT RATING: 0.1A @ 12 VDC



Actuator shown in pos. 1



OS202011MA0QN1
DPDT



Slide