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
- 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: -10°C to +70°C.

PACKAGING: Bulk

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

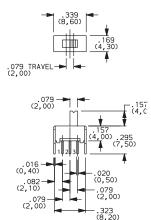
How To Order

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

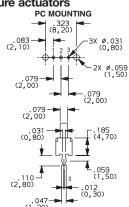
			SWITCH F	UNCTION	
			POS.1	POS.2	
PART NUMBER	RoHS Compliant	RoHS Compatible	•	_	
OS102011MS2QN1 (non-shorting)	YES	NO	ON	ON	
OS102011MS2QN1C (non-shorting)	YES	YES	ON	ON	
OS102011MS2QS1 (shorting)	YES	NO	ON	ON	
OS102011MS2QS1C (shorting)	YES	YES	ON	ON	
CONN. TERMINALS			1-2	2-3	
SCHEMATIC C (1) (2) (3)					
SPDT	Y T				

CONTACT RATING: 0.1A @ 12 VDC





-.496 -(12,60)





SPDT

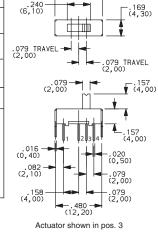
	SWITCH FUNCTION		TION		
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	4	4	4
OS103011MS8QP1 (Non-specified)	YES	NO	ON	ON	ON
OS103011MS8QP1C (Non-specified)	YES	YES	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4

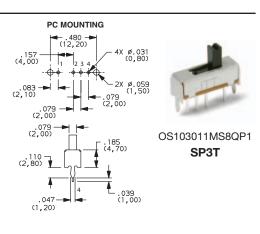
SCHEMATIC

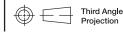


SP3T

CONTACT RATING: 0.1A @ 12 VDC



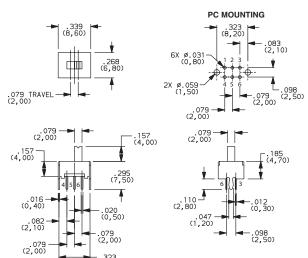






^{*} For RoHS compatible switches contact customer service.

OS202011MS2QS1 **DPDT**

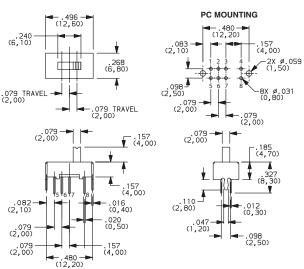


·			SWITCH F	UNCTION
			POS.1	POS.2
PART NUMBER	RoHS Compliant	RoHS Compatible		
OS202011MS2QS1 (Shorting)	YES	NO	ON	ON
OS202011MS2QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC		① ②	3	
DPDT		4 5 c	6	

CONTACT RATING: 0.1A @ 12 VDC



OS203011MS1QP1 DP3T



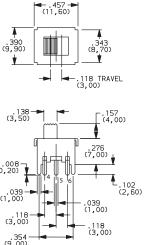
Actuator shown in pos. 2

			SWI	TCH FUNC	TION
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	1	1	_
OS203011MS1QP1 (Non-specified)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-3, 5-7	2-3, 6-7	3-4, 7-8
SCHEMATIC			Q Q (3 C 4	
DP3T			\$ 6	8	

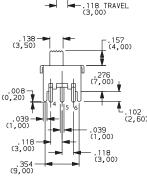
CONTACT RATING: 0.3A @ 30 VDC



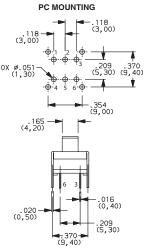
OS202013MT5QN1 **DPDT**

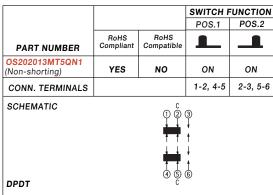


Actuator shown in pos. 3



Actuator shown in pos. 1





CONTACT RATING: 0.3A @ 30 VDC

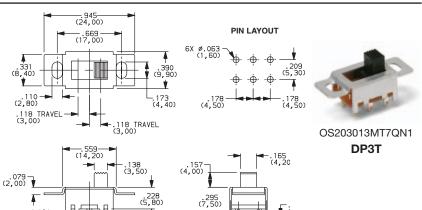




		SWITCH FUNCTION			TION
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	•	1	1
OS203013MT7QN1 (Non-shorting)	YES	NO	ON	OFF	ON
CONN. TERMINALS			1-2, 4-5		2-3, 5-6
SCHEMATIC			Ф ^с	 Э	

DP3T

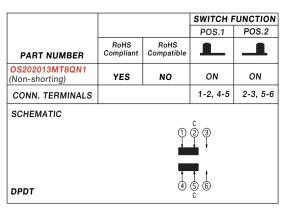
CONTACT RATING: 0.3A @ 30 VDC



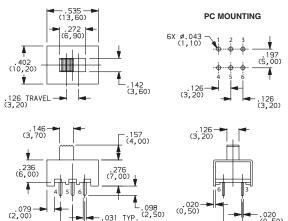
.016

-. 496 -(12,60) Actuator shown in pos. 3

.177



CONTACT RATING: 0.3A @ 30 VDC



Actuator shown in pos. 1

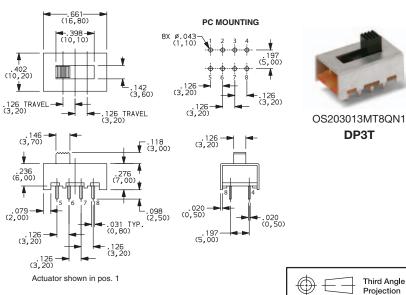
.126



DPDT

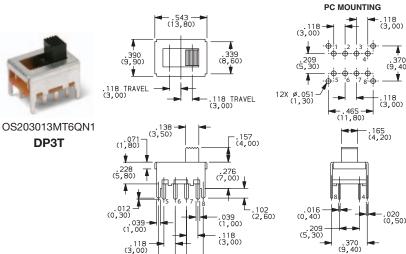
			SWI	TCH FUNC	TION
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	•	4	4
OS203013MT8QN1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	3-4, 7-8
SCHEMATIC ① ② ③ ④					
			5 6	7 8	
DP3T					

CONTACT RATING: 0.3A @ 30 VDC





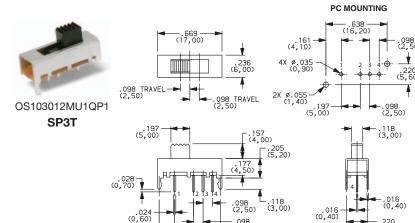
Miniature Slide Switches



			SWI	TCH FUNC	TION
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	1	4	4
OS203013MT6QN1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	3-4, 7-8
SCHEMATIC		1 2	3 4		
		† † (5) (6)	7 8		

Actuator shown in pos. 3

.118



.098

.197 (5,00)

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

CONTACT RATING: 0.2A @ 30 VDC

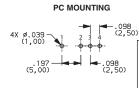


SP3T



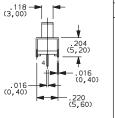
-.638 -(16,20) Actuator shown in pos. 1

.161



.220 (5,60)

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



SP3T

(5,00)		
,		*
	╽ ═┸╇╾╾╇╾╅	.177 (4,50) .303 (7,70)
.039-> (1,00)	-Ψ1 Ψ2Ψ3Ψ4-	⊢.098 (2,50)
.028 — (0,70)		098
.128 — (3,25)		(2,50) — .197 (5,00)
(3,23)	(14,50) ►	(3,00)

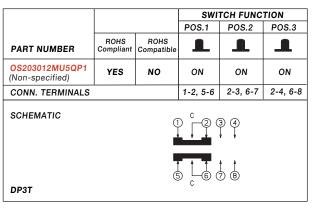
Actuator shown in pos. 1



CONTACT RATING: 0.2A @ 30 VDC	
JON IACT HATTING, U.ZA @ 30 VDC	







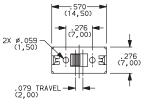
-.638 -(16,20) .161 (4,10) 8X Ø.035 (0,90) .236 .098 TRAVEL -.098 TRAVEL (2,50) .197 (5,00) .098 (2,50) OS203012MU5QP1 .197 .118 [.157 (4,00) DP3T (4,50) .028 .024 .098 (2,50) .098 (2,50) .197 (5,00) .161 .220 Actuator shown in pos. 1

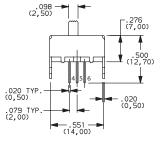
PC MOUNTING

CONTACT RATING: 0.1A @ 30 VDC

			SWITCH F	UNCTION
			POS.1	POS.2
PART NUMBER	RoHS Compliant	RoHS Compatible	_	_
OS202011MV4QN1 (Non-shorting)	YES	NO	ON	ON
OS202011MV4QS1 (Shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC			23	

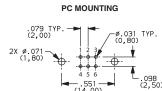
CONTACT RATING: 0.1A @ 30 VDC

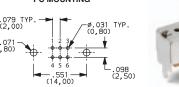


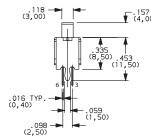


Actuator shown in pos. 1

- .570 -(14,50)





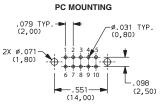


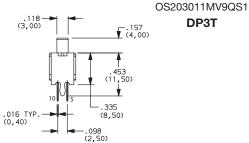
	OS202011MV4QN1
.118157	DPDT
П	
.335 (8,50) .453 (11,50)	
*	
016 TYP.	
.059 (1,50)	
.098 — — — (2,50)	

			SWITCH FUNCTION			
			POS.1	POS.2	POS.3	
PART NUMBER	ROHS Compliant	ROHS Compatible	1	1	_	
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 C @ 3 @ S T T T T T T T T T T T T T T T T T T						
DP3T			© 7	8 9 6		

CONTACT RATING: 0.1A @ 30 VDC

.256 .276 (7,00) .079 TRAVEL (2,00) .079 TRAVEL (2,00) .098--.276 (7**,**00) .500 -.020 (0,50) .079 TY (2,00) -.551-(14,00) Actuator shown in pos. 2(A)



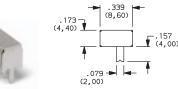




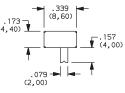
Third Angle Projection

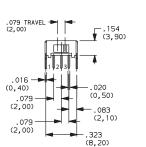


Miniature Slide Switches

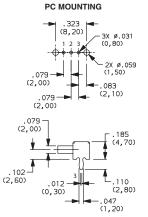


OS102011MA1QN1 **SPDT**





Actuator shown in pos. 2

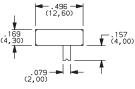


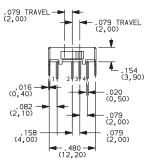
			SWITCH FUNCTION		
			POS.1	POS.2	
PART NUMBER	RoHS Compliant	RoHS Compatible	1		
OS102011MA1QN1 (Non-shorting)	YES	NO	ON	ON	
OS102011MA1QN1C (Non-shorting)	YES	YES	ON	ON	
OS102011MA1QS1 (Shorting)	YES	NO	ON	ON	
OS102011MA1QS1C (Shorting)	YES	YES	ON	ON	
CONN. TERMINALS			1-2	2-3	
SCHEMATIC	စု စွ် ချ	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

CONTACT RATING: 0.1A @ 12 VDC

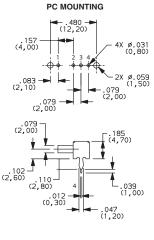


OS103011MA7QP1 SP3T





Actuator shown in pos. 3



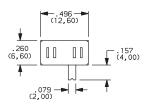
			SWITCH FUNCTION		
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	1	1	₽
OS103011MA7QP1 (Non-specified)	YES	NO	ON	ON	ON
OS103011MA7QP1C (Non-specified)	YES	YES	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC			•	•	•

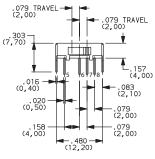


CONTACT RATING: 0.1A @ 12 VDC

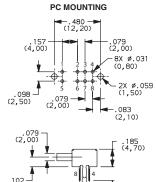


OS203011MA2QP1 DP3T





Actuator shown in pos. 3



			()	2,10)
.079 (2,00	1	E 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	.185 (4,70)
.102 (2,60)	.012 - (0,30) - .098 - (2,50)		← .047 ← (1,2	.146 (3,70) , 0)

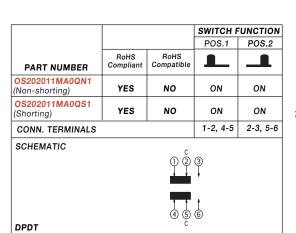
DP31	
CONTACT RATING: 0.1A @ 12	VDC

			SWITCH FUNCTION		
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	1	1	_
OS203011MA2QP1 (Non-specified)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	2-4, 6-8
SCHEMATIC	P				
		\$ c	678	I)	
DP3T					

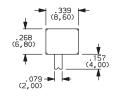
Third Angle Projection

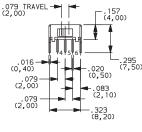


OS Series Miniature Slide Switches

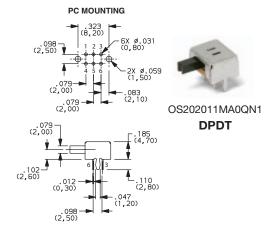


CONTACT RATING: 0.1A @ 12 VDC





Actuator shown in pos. 1



Third Angle Projection

