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

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.

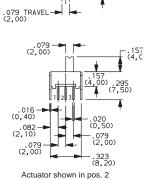
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center

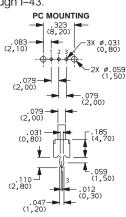
How To Order

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

			SWITCH FUNCTION			
			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	ļ	<u> </u>				

CONTACT RATING: 0.1A @ 12 VDC







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

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

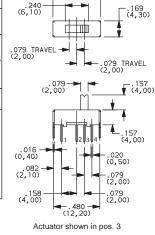
SCHEMATIC

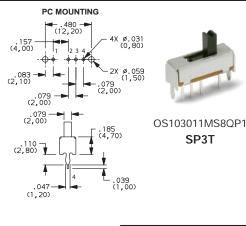


SP3T

CONTACT RATING: 0.1A @ 12 VDC

 $^{^{\}star}$ "C" option at the end of part number designates high temperature actuators







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

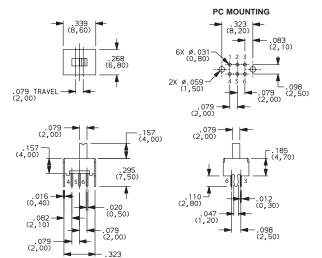




^{*} For RoHS compatible switches contact customer service.



OS202011MS2QS1 **DPDT**

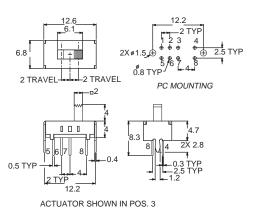


			SWITCH F	UNCTION
			POS.1	POS.2
PART NUMBER	RoHS Compliant	RoHS Compatible		
OS202011MS2QS1 (Shorting)	YES	NO	ON	ON
OS202011MS2QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC		1 2	3	
DPDT		4 5 c	6	

CONTACT RATING: 0.1A @ 12 VDC



OS203011MS1QP1 **DP3T**



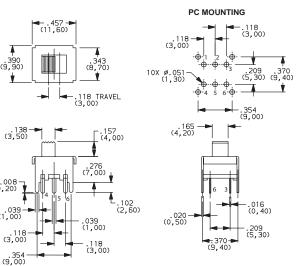
Actuator shown in pos. 2

			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					
DP3T				c c	

CONTACT RATING: 0.3A @ 30 VDC



OS202013MT5QN1 **DPDT**



			SWITCH F	UNCTION
			POS.1	POS.2
PART NUMBER	RoHS Compliant	RoHS Compatible		_
OS202013MT5QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC		₩	3 † †	

CONTACT RATING: 0.3A @ 30 VDC

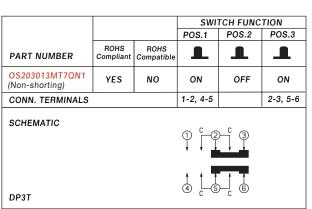


Third Angle Projection

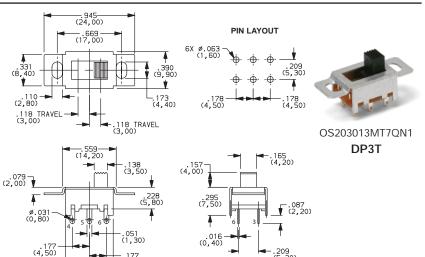
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



Actuator shown in pos. 1

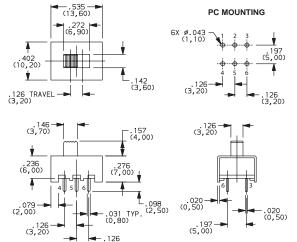


CONTACT RATING: 0.3A @ 30 VDC



			SWITCH FUNCTIO			
			POS.1	POS.2		
PART NUMBER	RoHS Compliant	RoHS Compatible				
OS202013MT8QN1 (Non-shorting)	YES	NO	ON	ON		
CONN. TERMINALS			1-2, 4-5	2-3, 5-6		
SCHEMATIC						
		1	c 23			
	ĬĬ					
			† (5) (6)			
DPDT		4)	(S) (B)			

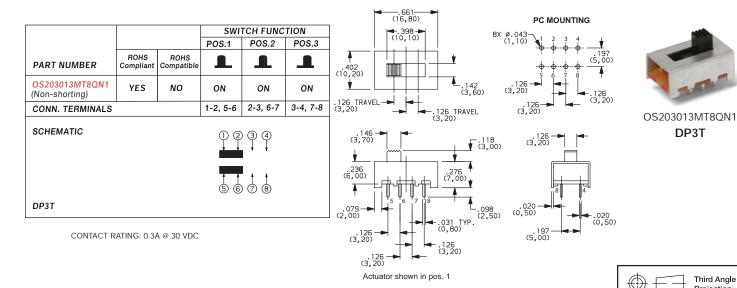
CONTACT RATING: 0.3A @ 30 VDC



Actuator shown in pos. 3

OS202013MT8QN1 **DPDT**

Actuator	shown	in	pos.	•



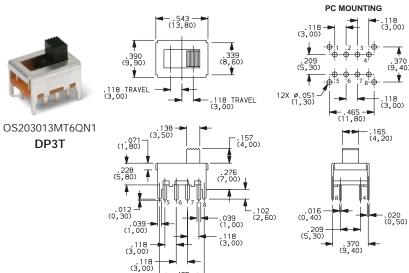
I-39

Dimensions are shown: Inches (mm)

www.ck-components.com

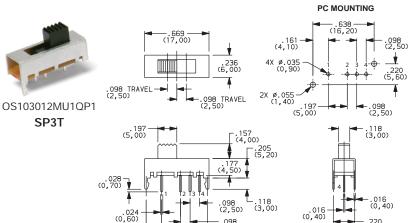
DP3T

Miniature Slide Switches



			SWI	TCH FUNC	TION
			POS.1	POS.2	POS.3
PART NUMBER	ROHS Compliant	ROHS Compatible	1	1	_
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		
DP3T		† 5 6	78		

CONTACT RATING: 0.2A @ 30 VDC



.098

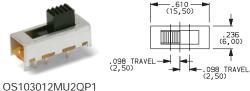
Actuator shown in pos. 3

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

CONTACT RATING: 0.2A @ 30 VDC

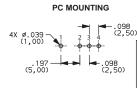


SP3T

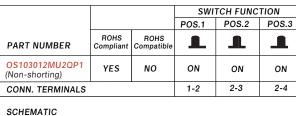


-.638 -(16,20) Actuator shown in pos. 1

.161

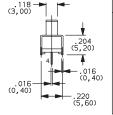


.220 (5,60)



.197 777 ,50) .303 1 (7,70) .028 .197 .197 (5,00) (5.00) -.571-(14,50)

Actuator shown in pos. 1



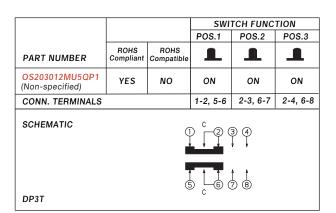
SP3T

CONTACT RATING: 0.2A @ 30 VDC

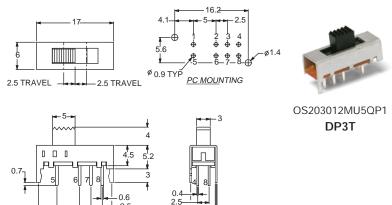


Dimensions are shown: Inch (mm) Specifications and dimensions subject to change





CONTACT RATING: 0.1A @ 30 VDC



ACTUATOR SHOWN IN POS. 1

16.2

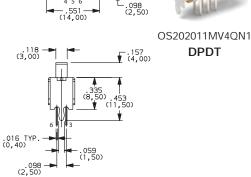
.276

-.276 (7**,**00)

.500 (12,70)

.020

(2,50) .551 ---.118 (4,00)



ø.031 TYP.

.098 (2,50)

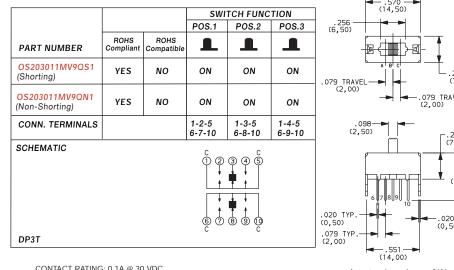
					2X Ø.059 -
			SWITCH	UNCTION	(1,50)
			POS.1	POS.2	
PART NUMBER	RoHS Compliant	RoHS Compatible		_	.079 TR
OS202011MV4QN1 (Non-shorting)	YES	NO	ON	ON	(2,00)
OS202011MV4QS1 (Shorting)	YES	NO	ON	ON	(2,
CONN. TERMINALS			1-2, 4-5	2-3, 5-6	
SCHEMATIC					
DPDT		d	9 6		.079 TYP. (2,00)

CONTACT RATING: 0.1A @ 30 VDC

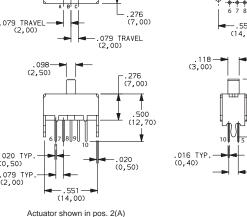
--.570--(14,50)

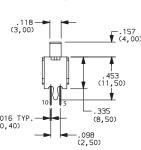
.079 TRAVEL (2,00)

.098



CONTACT RATING: 0.1A @ 30 VDC





PC MOUNTING

.079 TYP.

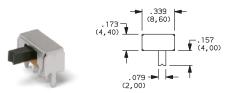
Third Angle

OS203011MV9QS1

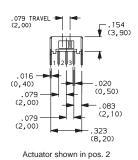
DP3T

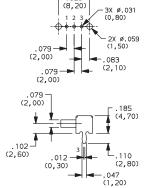
Dimensions are shown: Inches (mm) Specifications and dimensions subject to change





OS102011MA1QN1 SPDT



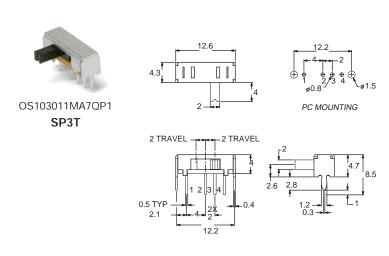


PC MOUNTING

			SWITCH FUNCTIO			
			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		C	<u> </u>			
	① ② ③ 					
SPDT						

CONTACT RATING: 0.1A @ 12 VDC

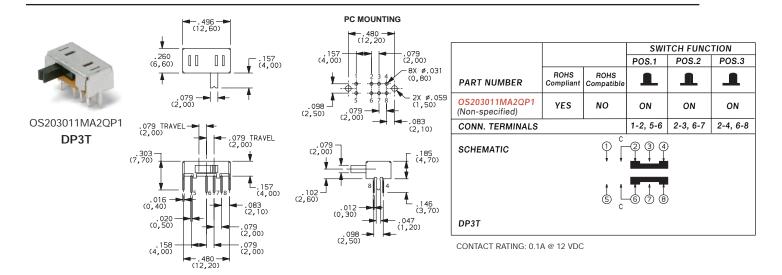
^{* &}quot;C" option at the end of part number designates high temperature actuators



ROHS	ROHS	POS.1	POS.2	POS.3
	ROHS			
Compliant	Compatible			▮
YES	NO	ON	ON	ON
YES	YES	ON	ON	ON
		1-2	2-3	2-4
	1 ° 2	3 4		
		YES YES	YES YES ON	YES YES ON ON 1-2 2-3

CONTACT RATING: 0.1A @ 12 VDC

 $^{^{\}star}$ "C" option at the end of part number designates high temperature actuators



C&K

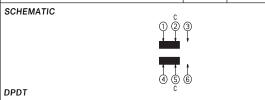
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

Actuator shown in pos. 3

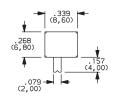
Third Angle

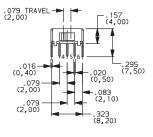
OS Series Miniature Slide Switches

OS202011MA0QS1 (Shorting)	YES	NO	ON 1-2, 4-5	ON 2-3, 5-6
(Non-shorting)	YES	NO	ON	ON
PART NUMBER	RoHS Compliant	RoHS Compatible	•	
			POS.1	POS.2

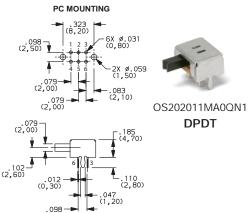


CONTACT RATING: 0.1A @ 12 VDC





Actuator shown in pos. 1











Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

```
        0S102011MA1QN1
        0S103011MA7QP1
        0S102011MS2QN1
        0S202011MA0QS1
        0S202011MS2QN1

        0S202011MS2QS1
        0S203012MU5QP1
        0S102011MA1QS1
        0S102011MS2QS1
        0S103011MS8QP1

        0S103012MU1QP1
        0S103012MU2QP1
        0S202011MA0QN1
        0S202011MV4QN1
        0S202011MV4QN1

        0S202013MT5QN1
        0S202013MT8QN1
        0S203011MA2QP1
        0S203011MS1QP1
        0S203011MV9QN1

        0S203011MV9QS1
        0S203013MT6QN1
        0S203013MT8QN1
        0S203013MT7QN1
        0S103011MS8QP1

        0S203011MV9QN1
        0S203011MS2QS1
        0S102011MA1QN1
        0S102011MS2QN1
        0S103012MU1QP1

        0S203011MS1QP1
        0S203013MT8QN1
        0S203013MT6QN1
        0S203013MT5QN1
        0S202013MT5QN1

        0S202013MT8QN1
        0S203011MA2QP1
        0S202011MS2QN1
        0S202011MV4QN1
        0S202013MT5QN1
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