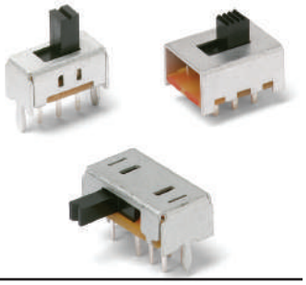
Features/Benefits

- *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: –30ºC to +70ºC.
PACKAGING: Bulk

* For RoHS compatible switches contact customer service.

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

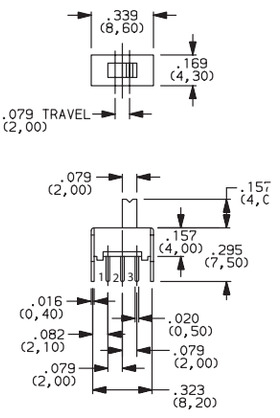
Complete part numbers for OS Series Slide Switches are shown on pages I–37 through I–43.

PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION POS.1	SWITCH FUNCTION 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				

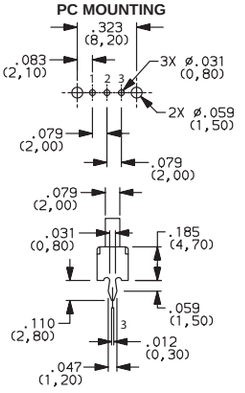


CONTACT RATING: 0.1A @ 12 VDC

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



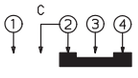
Actuator shown in pos. 2





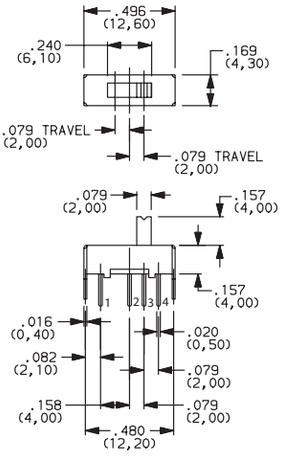
OS102011MS2QN1
SPDT

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

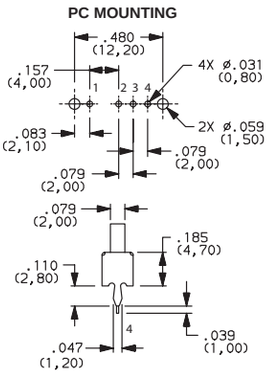


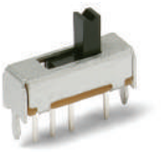
CONTACT RATING: 0.1A @ 12 VDC

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



Actuator shown in pos. 3





OS103011MS8QP1
SP3T

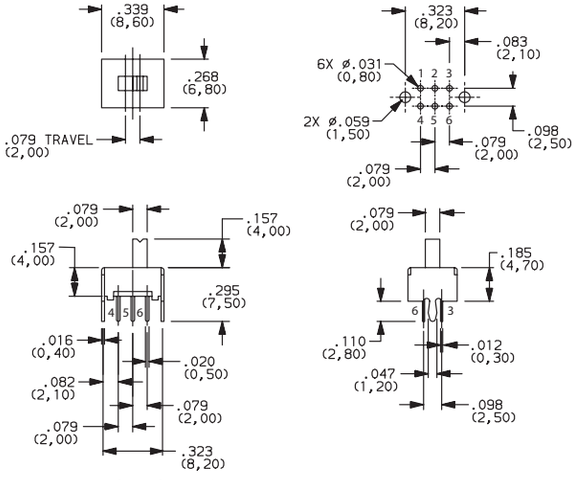
Third Angle Projection

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

OS Series
Miniature Slide Switches



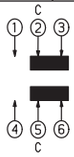
OS202011MS2QS1
DPDT



Actuator shown in pos. 2

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

SCHEMATIC

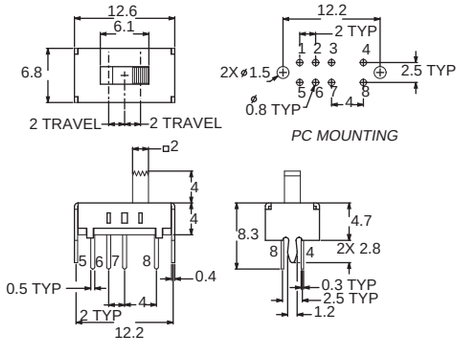


DPDT

CONTACT RATING: 0.1A @ 12 VDC



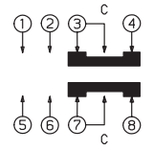
OS203011MS1QP1
DP3T



ACTUATOR SHOWN IN POS. 3

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

SCHEMATIC

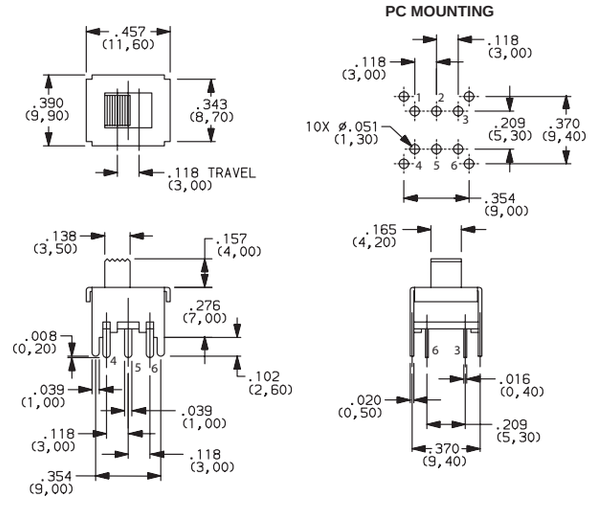


DP3T

CONTACT RATING: 0.3A @ 30 VDC



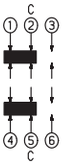
OS202013MT5QN1
DPDT



Actuator shown in pos. 1

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

SCHEMATIC



DPDT

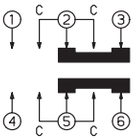
CONTACT RATING: 0.3A @ 30 VDC

Third Angle Projection

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

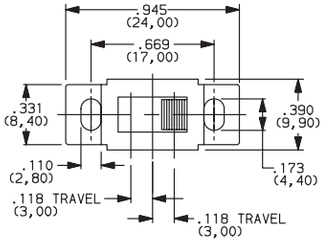
PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION POS.1	POS.2	POS.3
OS203013MT7QN1 (Non-shorting)	YES	NO	ON	OFF	ON
CONN. TERMINALS			1-2, 4-5		2-3, 5-6

SCHEMATIC

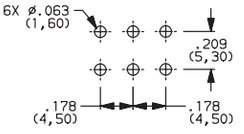


DP3T

CONTACT RATING: 0.3A @ 30 VDC



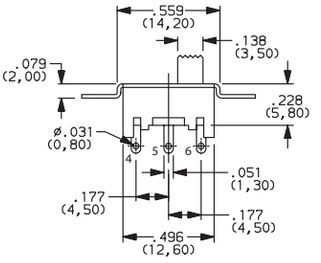
PIN LAYOUT

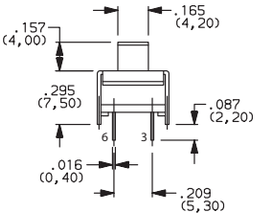




OS203013MT7QN1

DP3T

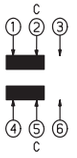




Actuator shown in pos. 3

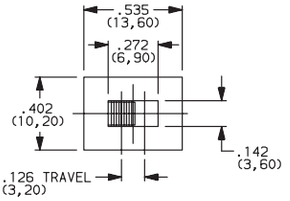
PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION POS.1	POS.2
OS202013MT8QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6

SCHEMATIC

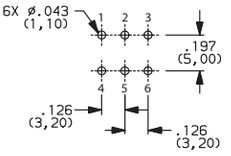


DPDT

CONTACT RATING: 0.3A @ 30 VDC



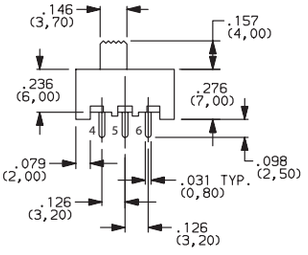
PC MOUNTING

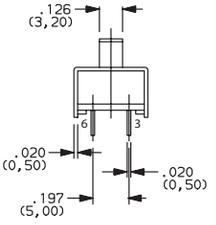




OS202013MT8QN1

DPDT

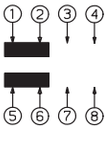




Actuator shown in pos. 1

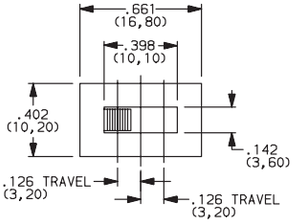
PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION POS.1	POS.2	POS.3
OS203013MT8QN1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	3-4, 7-8

SCHEMATIC

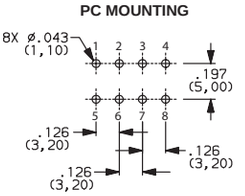


DP3T

CONTACT RATING: 0.3A @ 30 VDC



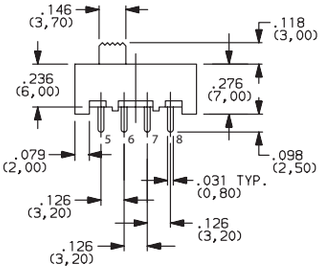
PC MOUNTING

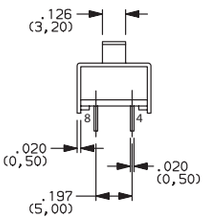




OS203013MT8QN1

DP3T





Actuator shown in pos. 1

Third Angle Projection

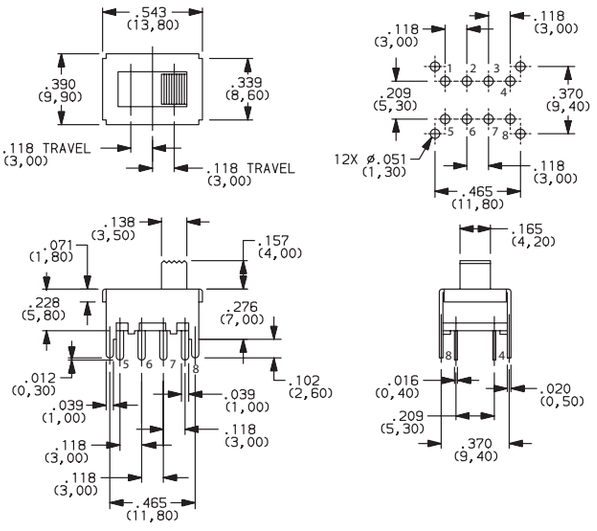
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

OS Series
Miniature Slide Switches



OS203013MT6QN1
DP3T

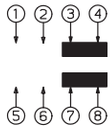
PC MOUNTING



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



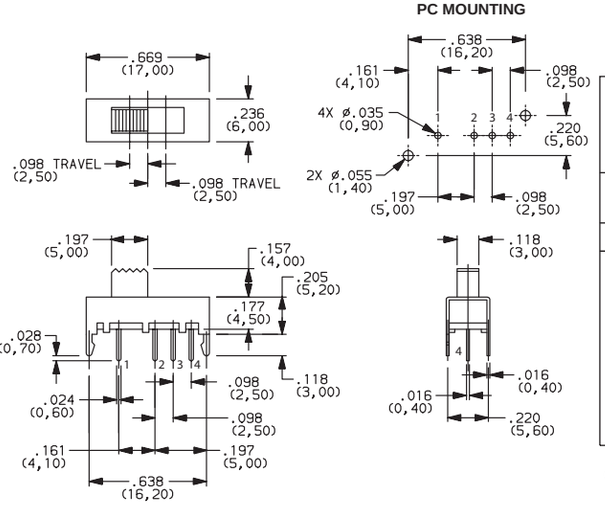
DP3T

CONTACT RATING: 0.2A @ 30 VDC



OS103012MU1QP1
SP3T

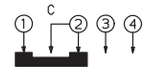
PC MOUNTING



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



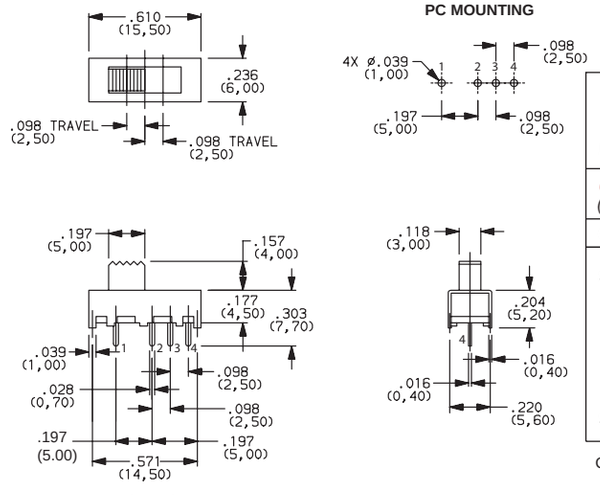
SP3T

CONTACT RATING: 0.2A @ 30 VDC



OS103012MU2QP1
SP3T

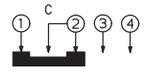
PC MOUNTING



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

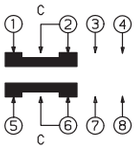
CONTACT RATING: 0.2A @ 30 VDC

Third Angle Projection

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

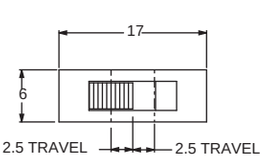
PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION POS.1	POS.2	POS.3
OS203012MU5QP1 (Non-specified)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	2-4, 6-8

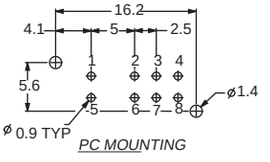
SCHEMATIC



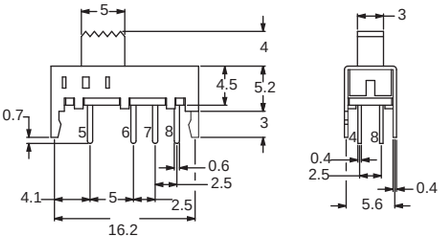
DP3T

CONTACT RATING: 0.1A @ 30 VDC





PC MOUNTING



ACTUATOR SHOWN IN POS. 1

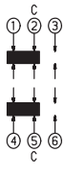


OS203012MU5QP1

DP3T

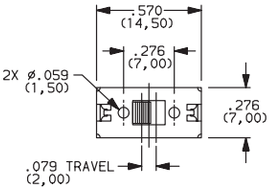
PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION POS.1	POS.2
OS202011MV4QN1 (Non-shorting)	YES	NO	ON	ON
OS202011MV4QS1 (Shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6

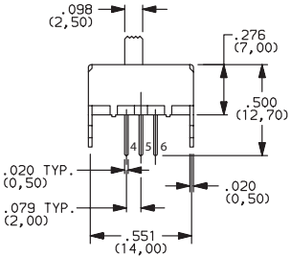
SCHEMATIC



DPDT

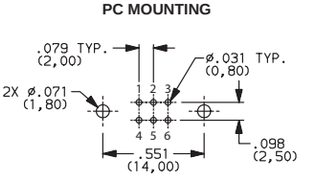
CONTACT RATING: 0.1A @ 30 VDC

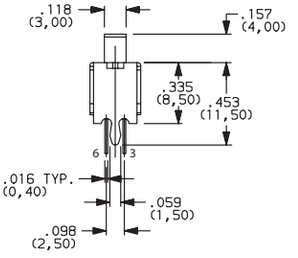




Actuator shown in pos. 1

PC MOUNTING





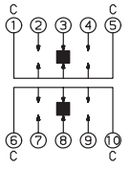


OS202011MV4QN1

DPDT

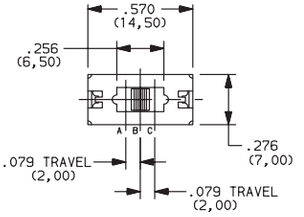
PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION POS.1	POS.2	POS.3
OS203011MV9QS1 (Shorting)	YES	NO	ON	ON	ON
OS203011MV9QN1 (Non-Shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2-5 6-7-10	1-3-5 6-8-10	1-4-5 6-9-10

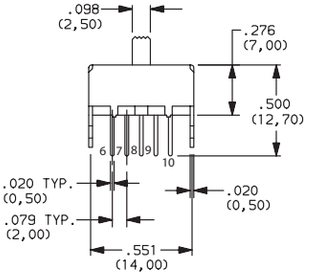
SCHEMATIC



DP3T

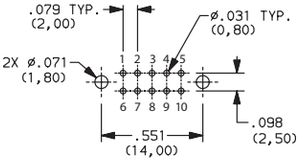
CONTACT RATING: 0.1A @ 30 VDC

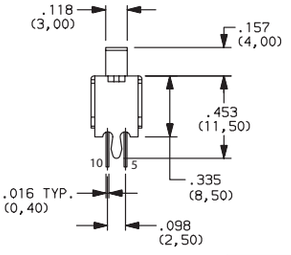




Actuator shown in pos. 2(A)

PC MOUNTING







OS203011MV9QS1

DP3T

Third Angle Projection

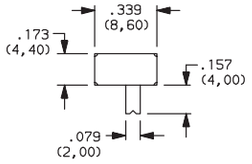
Dimensions are shown: Inches (mm)

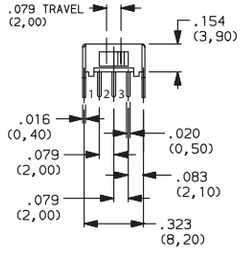
Specifications and dimensions subject to change

OS Series
Miniature Slide Switches



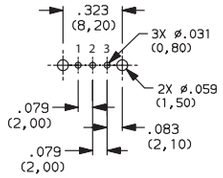
OS102011MA1QN1
SPDT

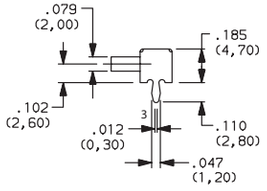




Actuator shown in pos. 2

PC MOUNTING





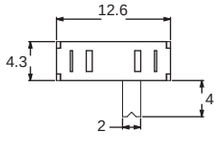
PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION POS.1	SWITCH FUNCTION POS.2
OS102011MA1QN1 (Non-shorting)	YES	NO	ON	ON
OS102011MA1QN1C* (Non-shorting)	YES	YES	ON	ON
OS102011MA1QS1 (Shorting)	YES	NO	ON	ON
OS102011MA1QS1C* (Shorting)	YES	YES	ON	ON
CONN. TERMINALS			1-2	2-3
SCHEMATIC SPDT				

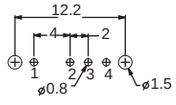
CONTACT RATING: 0.1A @ 12 VDC

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

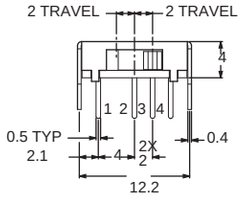


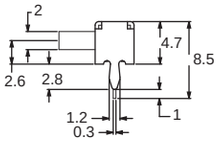
OS103011MA7QP1
SP3T

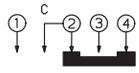




PC MOUNTING





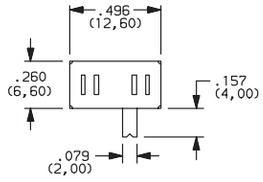
PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION POS.1	SWITCH FUNCTION POS.2	SWITCH FUNCTION POS.3
OS103011MA7QP1 (Non-specified)	YES	NO	ON	ON	ON
OS103011MA7QP1C* (Non-specified)	YES	YES	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC SP3T					

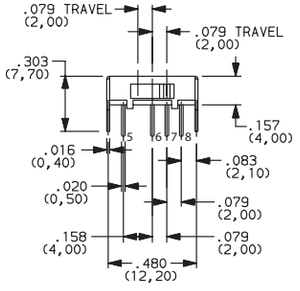
CONTACT RATING: 0.1A @ 12 VDC

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



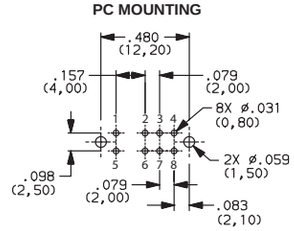
OS203011MA2QP1
DP3T

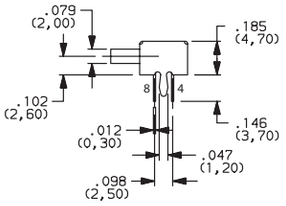


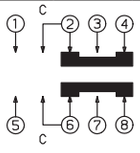


Actuator shown in pos. 3

PC MOUNTING





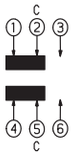
PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION POS.1	SWITCH FUNCTION POS.2	SWITCH FUNCTION POS.3
OS203011MA2QP1 (Non-specified)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	2-4, 6-8
SCHEMATIC DP3T					

CONTACT RATING: 0.1A @ 12 VDC

Third Angle Projection

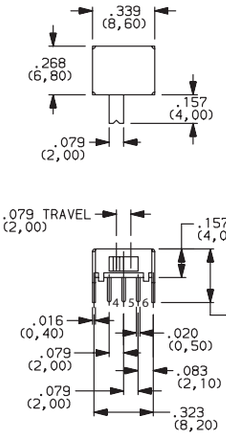
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION POS.1	SWITCH FUNCTION 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				



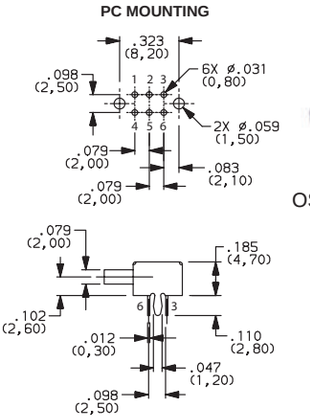
DPDT

CONTACT RATING: 0.1A @ 12 VDC



Actuator shown in pos. 1

PC MOUNTING





OS202011MA0QN1

DPDT

Third Angle Projection

Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change