25000N Series
Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

E

SPECIFICATIONS

Contact ratings:
Gold; 0.4 Volt-Amps (VA) max. at 20 V max. (AC or DC)
Silver; 4 A at 125 VAC,2 A at 250 VAC or 3 A at 30 VDC
Initial contact resistance: Gold; 50 milliohms max.
Silver; 10 milliohms max.
Insulation resistance: 1000 megohms min. at 500 VDC
Dielectric strength: 1000 V rms min. between terms.
Electrical life: Gold; 20,000 cycles, Silver; 10,000 cycles
Operating temperature range: -40°C to +85°C
Solder heat resistance: 300°C max. for 5 seconds
Washing not recommended.

FEATURES

- **Molded-in terminals.**
- **.100" (2,54mm) and .200" (5,08mm) terminal spacing.**
- **Many additional models & options available (see page E51).**
- **Optional UL recognized & marked models available .**

MATERIALS

Contacts & terminals: Gold or silver available (see contact ratings)
Actuator and Cover: Glass filled polyamide
Case: PBT high temp. thermoplastic **Terminal seal:** Epoxy

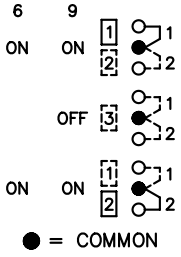
MODEL NO.	PLATING	ACTION
25136NLDB	Gold	on - on
25139NLDB	Gold	on off on
25136NAB	Silver	on - on
25139NAB	Silver	on off on



VERTICAL ACTUATOR

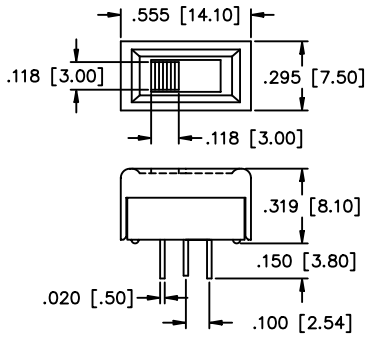
SINGLE POLE
FLUSH ACTUATOR

Function
(see pg. E51)

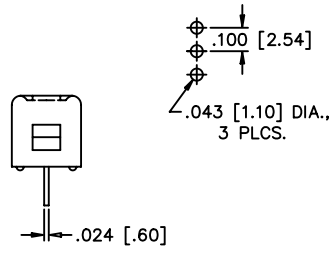


SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE



P.C. BOARD LAYOUT

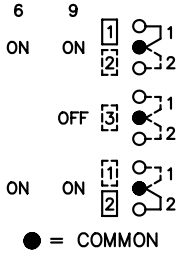
MODEL NO.	PLATING	ACTION
25336NLD	Gold	on - on
25339NLD	Gold	on off on
25336NA	Silver	on - on
25339NA	Silver	on off on



RIGHT ANGLE ACTUATOR

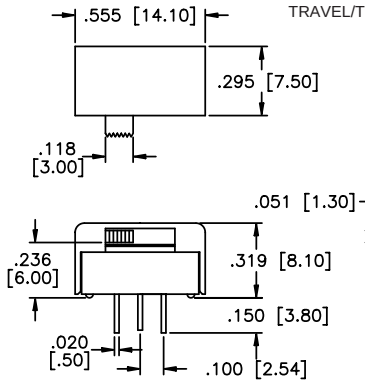
SINGLE POLE

Function
(see pg. E51)

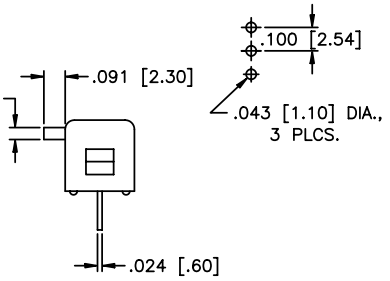


SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE



P.C. BOARD LAYOUT

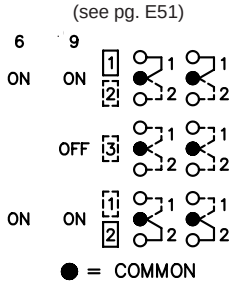
MODEL NO.	PLATING	ACTION
25146NLDB	Gold	on - on
25149NLDB	Gold	on off on
25146NAB	Silver	on - on
25149NAB	Silver	on off on



VERTICAL ACTUATOR

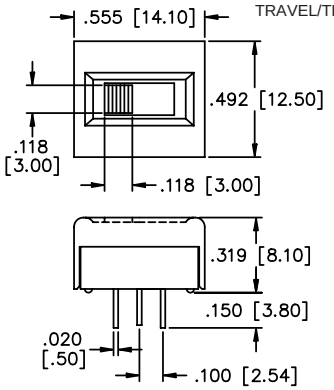
DOUBLE POLE
FLUSH ACTUATOR

Function
(see pg. E51)

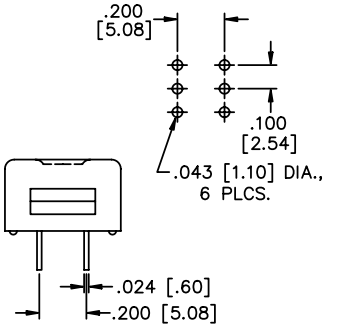


SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE



P.C. BOARD LAYOUT

25000N Series

Miniature Slide Switches

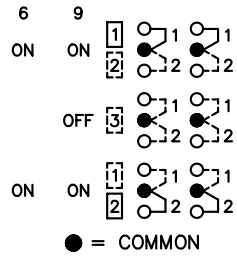
MODEL NO.	PLATING	ACTION
25346NLD	Gold	on - on
25349NLD	Gold	on off on
25346NA	Silver	on - on
25349NA	Silver	on off on



RIGHT ANGLE ACTUATOR

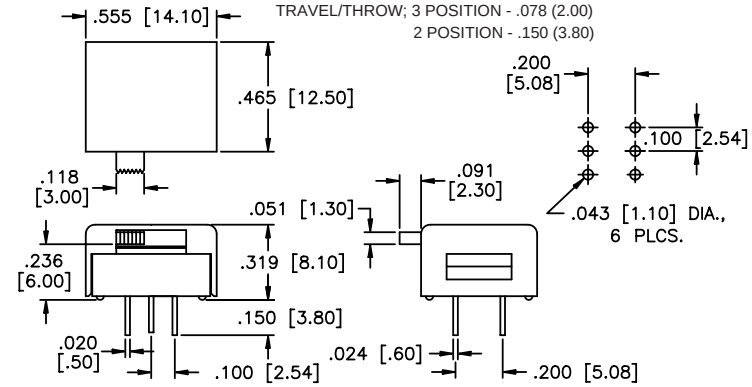
DOUBLE POLE

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
25436NLDB	Gold	on - on
25439NLDB	Gold	on off on
25436NAB	Silver	on - on
25439NAB	Silver	on off on

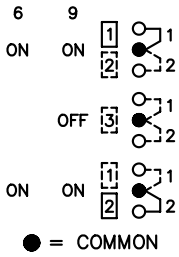


VERTICAL ACTUATOR

SINGLE POLE

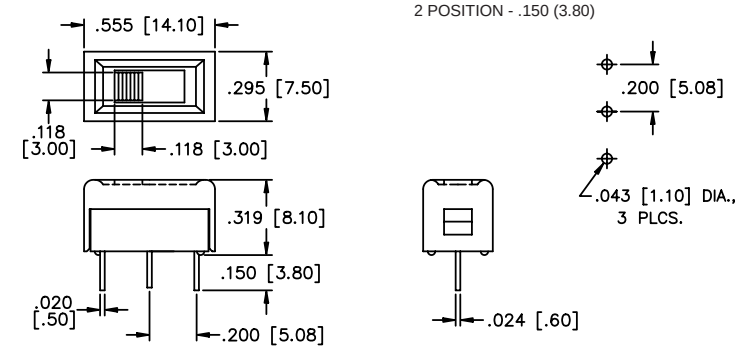
FLUSH ACTUATOR

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

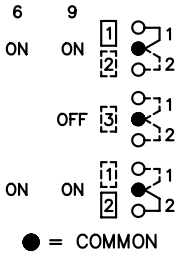
MODEL NO.	PLATING	ACTION
25536NLD	Gold	on - on
25539NLD	Gold	on off on
25536NA	Silver	on - on
25539NA	Silver	on off on



RIGHT ANGLE ACTUATOR

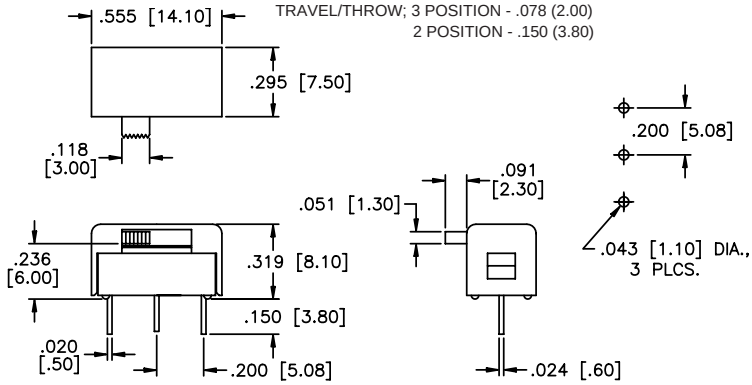
SINGLE POLE

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
25446NLDB	Gold	on - on
25449NLDB	Gold	on off on
25446NAB	Silver	on - on
25449NAB	Silver	on off on

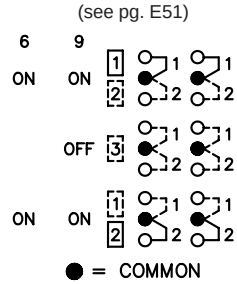


VERTICAL ACTUATOR

DOUBLE POLE

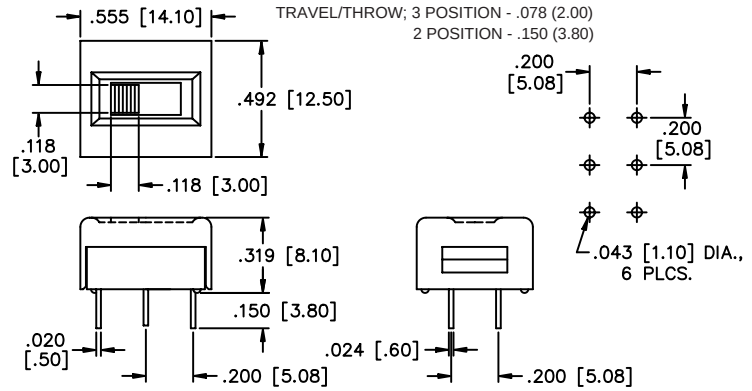
FLUSH ACTUATOR

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

25000N Series

Miniature Slide Switches

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

E

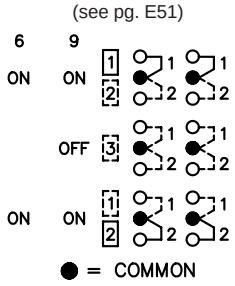
MODEL NO.	PLATING	ACTION
25546NLD	Gold	on - on
25549NLD	Gold	on off on
25546NA	Silver	on - on
25549NA	Silver	on off on



RIGHT ANGLE ACTUATOR

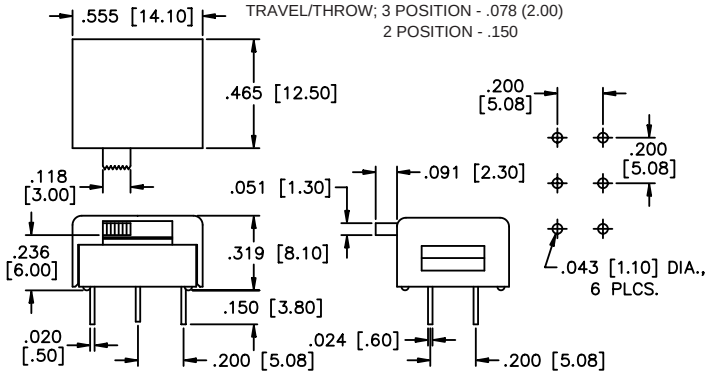
DOUBLE POLE

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

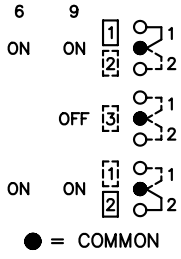
MODEL NO.	PLATING	ACTION
25136NLDH	Gold	on - on
25139NLDH	Gold	on off on
25136NAH	Silver	on - on
25139NAH	Silver	on off on



VERTICAL ACTUATOR

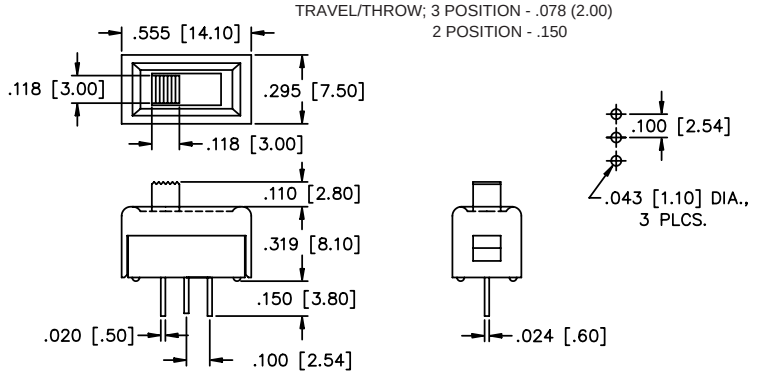
SINGLE POLE

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

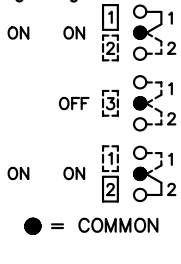
MODEL NO.	PLATING	ACTION
25336NLD6	Gold	on - on
25339NLD6	Gold	on off on
25336NA6	Silver	on - on
25339NA6	Silver	on off on



RIGHT ANGLE ACTUATOR

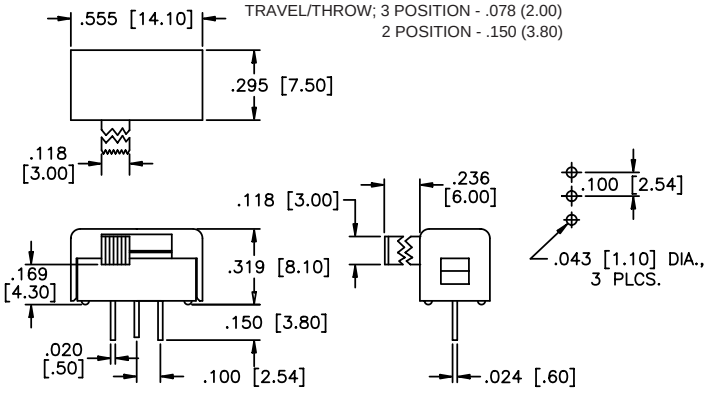
SINGLE POLE

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

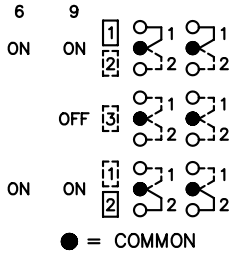
MODEL NO.	PLATING	ACTION
25146NLDH	Gold	on - on
25149NLDH	Gold	on off on
25146NAH	Silver	on - on
25149NAH	Silver	on off on



VERTICAL ACTUATOR

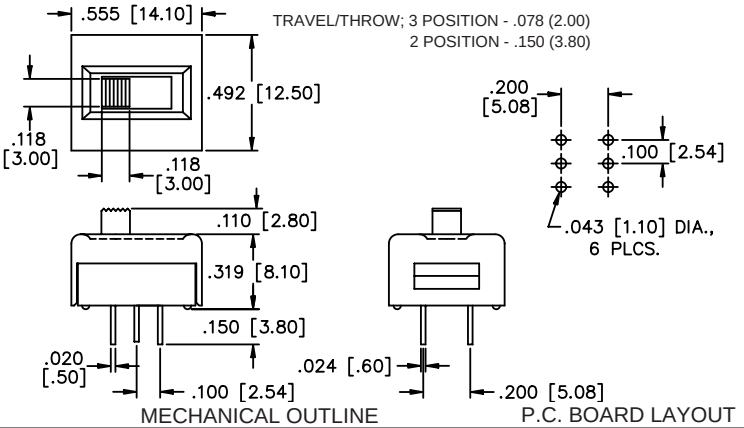
DOUBLE POLE

Function
(see pg. E51)



SCHEMATIC

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)



MECHANICAL OUTLINE

P.C. BOARD LAYOUT

25000N Series

Miniature Slide Switches

E

MODEL NO.	PLATING	ACTION
25346NLD6	Gold	on - on
25349NLD6	Gold	on off on
25346NA6	Silver	on - on
25349NA6	Silver	on off on

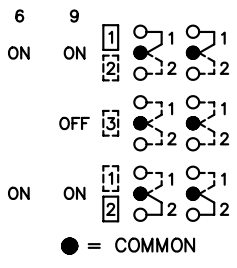


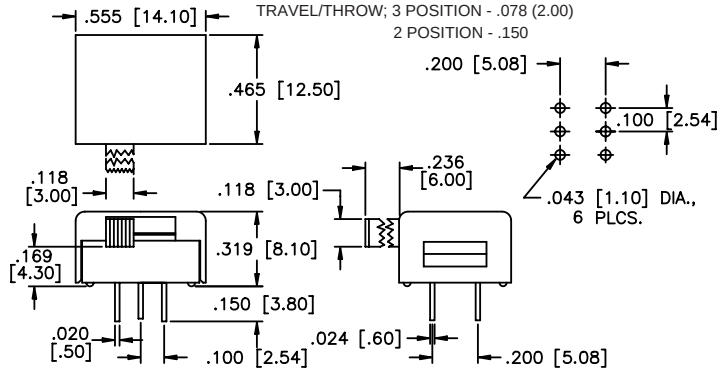
RIGHT ANGLE ACTUATOR

DOUBLE POLE

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150

Function
(see pg. E51)





SCHEMATIC | MECHANICAL OUTLINE | P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
25436NLDH	Gold	on - on
25439NLDH	Gold	on off on
25436NAH	Silver	on - on
25439NAH	Silver	on off on

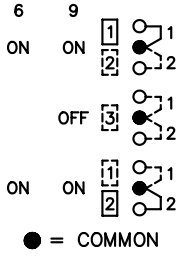


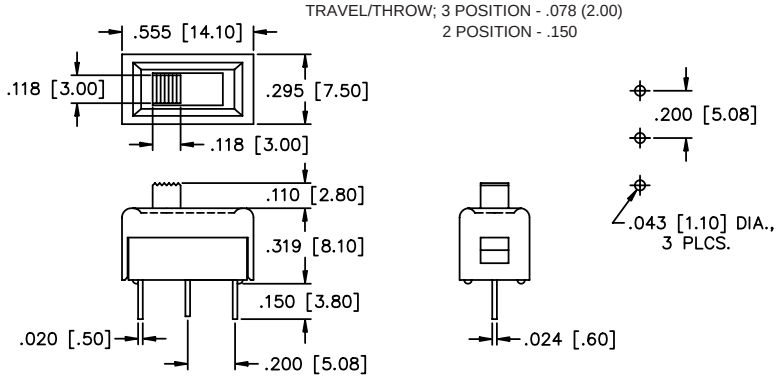
VERTICAL ACTUATOR

SINGLE POLE

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150

Function
(see pg. E51)





SCHEMATIC | MECHANICAL OUTLINE | P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
25536NLD6	Gold	on - on
25539NLD6	Gold	on off on
25536NA6	Silver	on - on
25539NA6	Silver	on off on

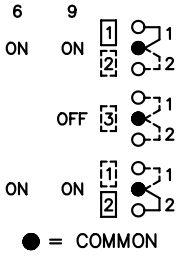


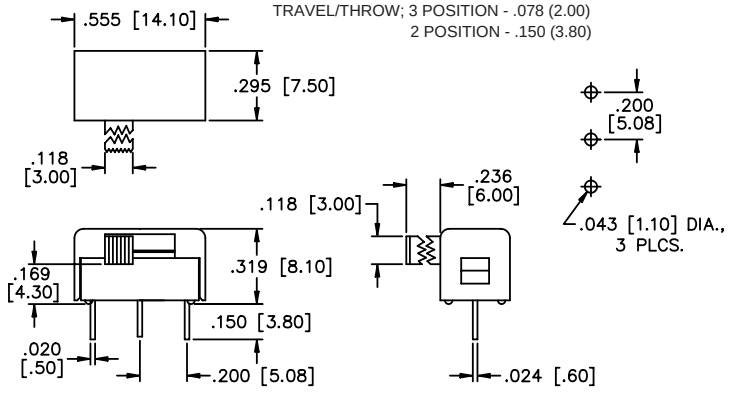
RIGHT ANGLE ACTUATOR

SINGLE POLE

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)

Function
(see pg. E51)





SCHEMATIC | MECHANICAL OUTLINE | P.C. BOARD LAYOUT

MODEL NO.	PLATING	ACTION
25446NLDH	Gold	on - on
25449NLDH	Gold	on off on
25446NAH	Silver	on - on
25449NAH	Silver	on off on

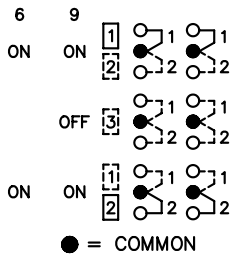


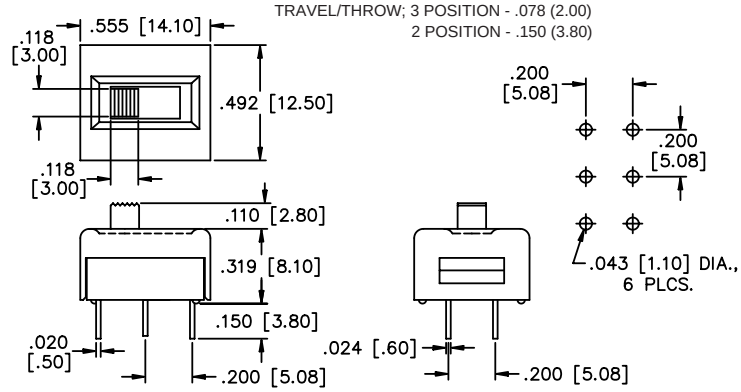
VERTICAL ACTUATOR

DOUBLE POLE

TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)

Function
(see pg. E51)





SCHEMATIC | MECHANICAL OUTLINE | P.C. BOARD LAYOUT

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

APEM, PO BOX 544, WAKEFIELD, MA USA 01880 TEL: (781) 246-1007 FAX: (781) 245-4531 TOLL FREE SALES: (877) 246-7890

25000N Series
Miniature Slide Switches

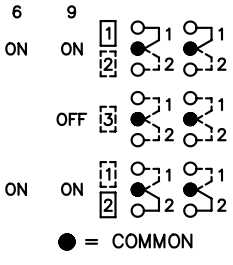
MODEL NO.	PLATING	ACTION
25546NLD6	Gold	on - on
25549NLD6	Gold	on off on
25546NA6	Silver	on - on
25549NA6	Silver	on off on



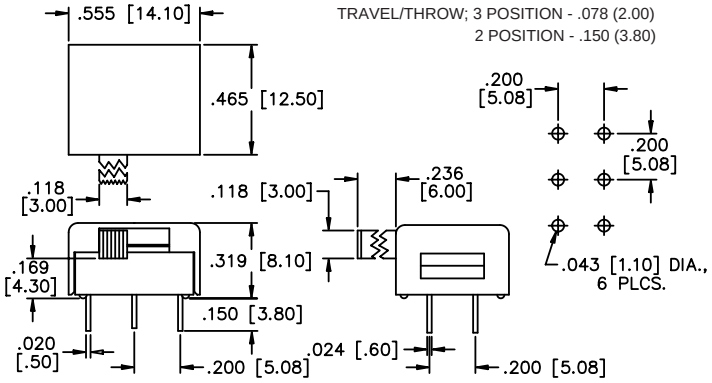
RIGHT ANGLE ACTUATOR

DOUBLE POLE

Function
(see pg. below)



SCHEMATIC



TRAVEL/THROW; 3 POSITION - .078 (2.00)
2 POSITION - .150 (3.80)

MECHANICAL OUTLINE

P.C. BOARD LAYOUT

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

E

Additional ordering information: Commonly ordered models are shown above and on preceeding pages with complete model numbers and specifications. Below is an order format that enables you to 'build your own switch' and specify the correct switch model number by simply selecting from all available options shown and filling in the boxes.

'BUILD YOUR OWN SWITCH' ORDER FORMAT

Fill in boxes shown with options selected from below.
***** Allowable options for each box are shown under each respective box.

Series	Actuator/ Term. Spacing	Poles	Functions	Version	Contact & Term. Mat'l.	Actuators	Approvals
2 5	1 4 3 5	3 4	6 9	N	A L D	B H H 6 6	(NONE) X 6 9 3 U L

***** If a single suffix selection is chosen from the **Contact & Term. Mat'l.**or **Actuator** categories above, eliminate the extra box.

Actuator/Terminal spacing: Dimensions in inches and millimeters.
1 = Vertical actuator and .100" (2.54mm) terminal spacing
4 = Vertical actuator and .200" (5.08mm) terminal spacing
3 = Side actuator and .100" (2.54mm) terminal spacing
5 = Side actuator and .200" (5.08mm) terminal spacing

Poles: **3** = Single Pole **4** = Double Pole

Functions: **6** = ON - ON **9** = ON OFF ON

Version: **N** = Version specification (Specify for all models)

Contact & terminal materials: See contact ratings under "specifications". **A** = Silver **LD** = Gold plated brass

Actuators: Dimensions in inches and millimeters.
B = Flush vertical actuator
H = Vertical actuator .110" (2.80mm) high
H6 = Vertical actuator .236" (6.00mm) high
6 = Side actuator .236" (6.00mm) long
Note: If **Actuator** boxes are not used, a side actuator .090" (2.30mm) long will be supplied.

Approvals: **X693UL** = Switches recognized and marked UL - silver (A) contacts only.