

25000N Series

Miniature Slide Switches

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MODEL NO.	PLATING	ACTION	SINGLE POLE FLUSH ACTUATOR	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 (3.80)
25136NLDB	Gold	on - on	Function (see pg. E51)	
25139NLDB	Gold	on off on	ON ON 1 2	
25136NAB	Silver	on - on	OFF 3 1 2	
25139NAB	Silver	on off on	ON ON 1 2	
			● = COMMON	
			SCHEMATIC	MECHANICAL OUTLINE
VERTICAL ACTUATOR				P.C. BOARD LAYOUT
MODEL NO.	PLATING	ACTION	SINGLE POLE	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 (3.80)
25336NLD	Gold	on - on	Function (see pg. E51)	
25339NLD	Gold	on off on	ON ON 1 2	
25336NA	Silver	on - on	OFF 3 1 2	
25339NA	Silver	on off on	ON ON 1 2	
			● = COMMON	
			SCHEMATIC	MECHANICAL OUTLINE
RIGHT ANGLE ACTUATOR				P.C. BOARD LAYOUT
MODEL NO.	PLATING	ACTION	DOUBLE POLE FLUSH ACTUATOR	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 (3.80)
25146NLDB	Gold	on - on	Function (see pg. E51)	
25149NLDB	Gold	on off on	ON ON 1 2 1 2	
25146NAB	Silver	on - on	OFF 3 1 2 3 1 2	
25149NAB	Silver	on off on	ON ON 1 2 1 2	
			● = COMMON	
			SCHEMATIC	MECHANICAL OUTLINE
VERTICAL ACTUATOR				P.C. BOARD LAYOUT

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Miniature Slide Switches

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MODEL NO.	PLATING	ACTION	DOUBLE POLE		
25346NLD	Gold	on - on	Function (see pg. E51) ● = COMMON		
25349NLD	Gold	on off on			
25346NA	Silver	on - on			
25349NA	Silver	on off on			
RIGHT ANGLE ACTUATOR			SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
MODEL NO.	PLATING	ACTION	SINGLE POLE		
25436NLDB	Gold	on - on	Function (see pg. E51) ● = COMMON		
25439NLDB	Gold	on off on			
25436NAB	Silver	on - on			
25439NAB	Silver	on off on			
VERTICAL ACTUATOR			SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
MODEL NO.	PLATING	ACTION	SINGLE POLE		
25536NLD	Gold	on - on	Function (see pg. E51) ● = COMMON		
25539NLD	Gold	on off on			
25536NA	Silver	on - on			
25539NA	Silver	on off on			
RIGHT ANGLE ACTUATOR			SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
MODEL NO.	PLATING	ACTION	DOUBLE POLE		
25446NLDB	Gold	on - on	Function (see pg. E51) ● = COMMON		
25449NLDB	Gold	on off on			
25446NAB	Silver	on - on			
25449NAB	Silver	on off on			
VERTICAL ACTUATOR			SCHEMATIC	MECHANICAL OUTLINE	P.C. BOARD LAYOUT

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MODEL NO.	PLATING	ACTION	DOUBLE POLE		
25546NLD 25549NLD 25546NA 25549NA	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51) SCHEMATIC	MECHANICAL OUTLINE	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 P.C. BOARD LAYOUT
RIGHT ANGLE ACTUATOR					
MODEL NO.	PLATING	ACTION	SINGLE POLE		
25136NLDH 25139NLDH 25136NAH 25139NAH	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51) SCHEMATIC	MECHANICAL OUTLINE	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 P.C. BOARD LAYOUT
VERTICAL ACTUATOR					
MODEL NO.	PLATING	ACTION	SINGLE POLE		
25336NLD6 25339NLD6 25336NA6 25339NA6	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51) SCHEMATIC	MECHANICAL OUTLINE	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 (3.80) P.C. BOARD LAYOUT
RIGHT ANGLE ACTUATOR					
MODEL NO.	PLATING	ACTION	DOUBLE POLE		
25146NLDH 25149NLDH 25146NAH 25149NAH	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51) SCHEMATIC	MECHANICAL OUTLINE	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 (3.80) P.C. BOARD LAYOUT
VERTICAL ACTUATOR					

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MODEL NO.	PLATING	ACTION	DOUBLE POLE	MECHANICAL OUTLINE	P.C. BOARD LAYOUT
25346NLD6 25349NLD6 25346NA6 25349NA6	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51)		
25436NLDH 25439NLDH 25436NAH 25439NAH	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51)		
25536NLD6 25539NLD6 25536NA6 25539NA6	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51)		
25446NLDH 25449NLDH 25446NAH 25449NAH	Gold Gold Silver Silver	on - on on off on on - on on off on	Function (see pg. E51)		

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MODEL NO.	PLATING	ACTION	DOUBLE POLE		
25546NLD6	Gold	on - on	Function (see pg. below) ON ON OFF ON ON ● = COMMON SCHEMATIC	 MECHANICAL OUTLINE	TRAVEL/THROW; 3 POSITION - .078 (2.00) 2 POSITION - .150 (3.80) P.C. BOARD LAYOUT
25549NLD6	Gold	on off on			
25546NA6	Silver	on - on			
25549NA6	Silver	on off on			



RIGHT ANGLE ACTUATOR

Additional ordering information: Commonly ordered models are shown above and on preceding 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 6 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.

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