

25000N series

Professional slide switches

Distinctive features and specifications



- ☐ Professional grade slide switches for PC boards
- ☐ Approved according to UL 1054
- ☐ Wave solderable
Not washable in aqueous process
- ☐ Available with flush, high and side actuator
- ☐ Various actuator lengths

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - silver contacts (A) : 2A 250VAC - 4A 125VAC - 1A 30VDC
 - gold plated brass contacts (LD) : 100mA 30VDC
- Minimum load :
 - silver contacts (A) : 100mA 10V
 - gold plated brass contacts (LD) : 10 μ A 5VDC - 10mA 50mV
- Initial contact resistance :
 - silver contacts (A) : 10m Ω max.
 - gold plated brass contacts (LD) : 50m Ω max.
- Insulation resistance : 1.000 M Ω min. at 500VDC
- Dielectric strength :
 - 1.000 Vrms 50 Hz min. between terminals
 - 2.000 Vrms 50 Hz min. between poles
 - 2.000 Vrms 50 Hz min. between terminals and frame
- Electrical life : 10.000 cycles at full load
- Low level or mechanical life : 20.000 cycles

MATERIALS

- Case : PBT
- Actuator : polyamide, glass filled
- Cover : polyamide, glass filled
- Contacts
 - A : silver
 - LD : brass, gold plated
- Terminal seal : epoxy

APPROVALS



Availability : consult factory for details of approved models.

Marking : To order switches marked UL, complete the "Options and Approvals" box of ordering format.

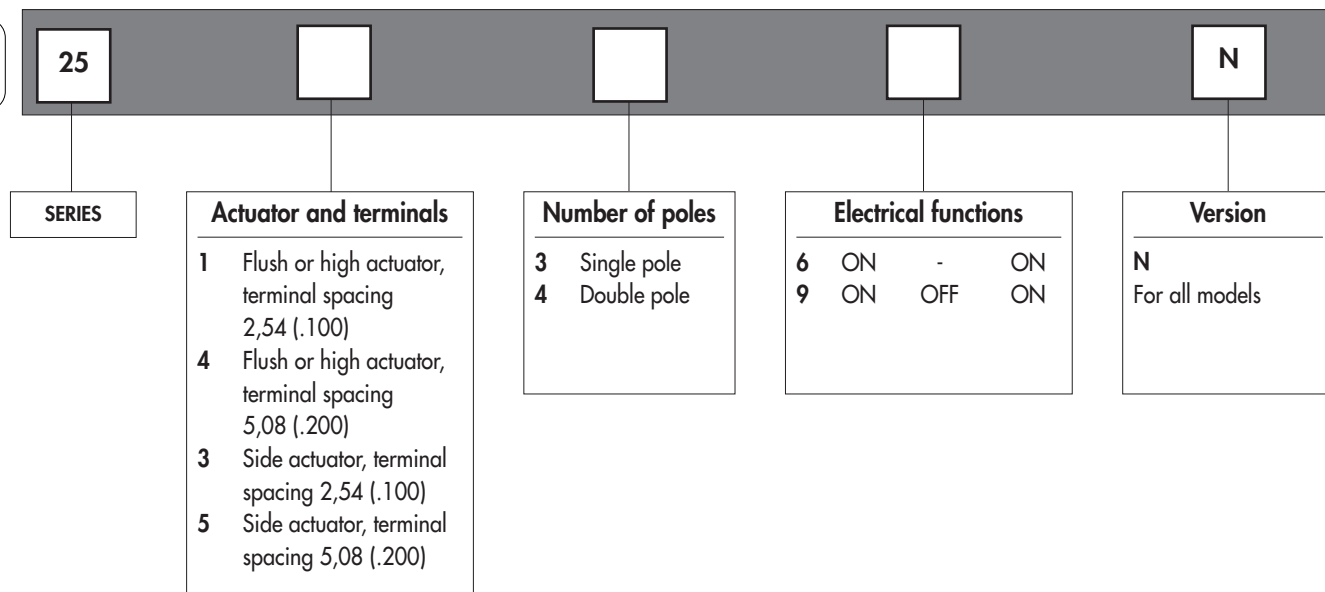
GENERAL SPECIFICATIONS

- Operating temperature :
 - 40°C to +85°C
- Overall length : 14 mm (.551)
- Actuator height (outside case) :
 - high : 2,80 mm (.110)
 - extra high : 6 mm (.236)
 - side : 2,3 mm (.090)
 - long side : 6 mm (.236)
- Travel : 4 mm (.157)

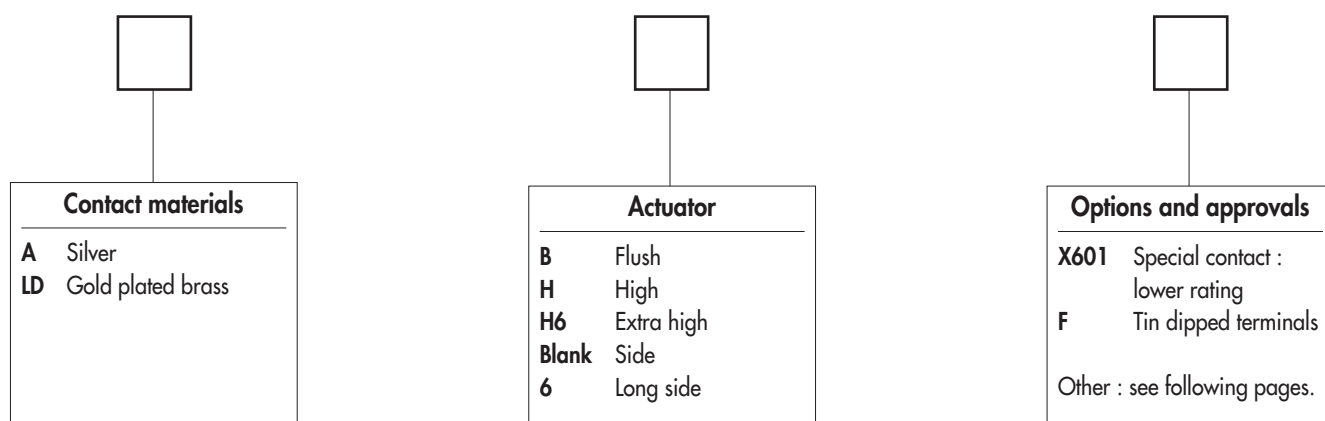
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Overview



OPTIONS



ABOUT THIS SERIES

On the following pages, you will find successively :

- model structure of switches (including actuator options)
- contact options

Dimensions : first dimensions are in mm while inches are shown as bracketted numbers.



NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

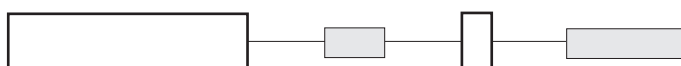


Packaging unit : single pole : 100 pieces - double pole : 50 pieces



- Epoxy sealed terminals standard
- 1 and 2 pole configurations
- **UL approved models** : see next page.

MODEL STRUCTURE



Flush actuator : 25000NB

Terminal spacing
2,54 (.100)

Single pole
25136N B
25139N B

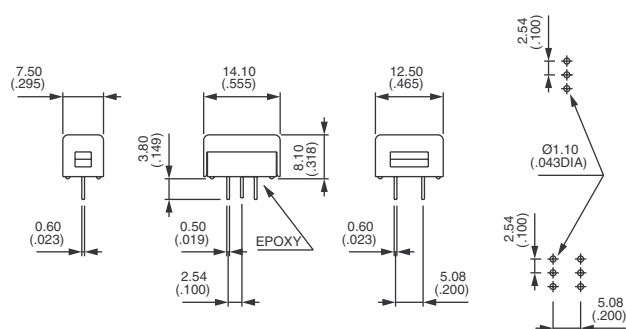
Double pole
25146N B
25149N B



Terminal spacing
5,08 (.200)

Single pole
25436N B
25439N B

Double pole
25446N B
25449N B



High actuator : 25000NH

Terminal spacing
2,54 (.100)

Single pole
25136N H
25139N H

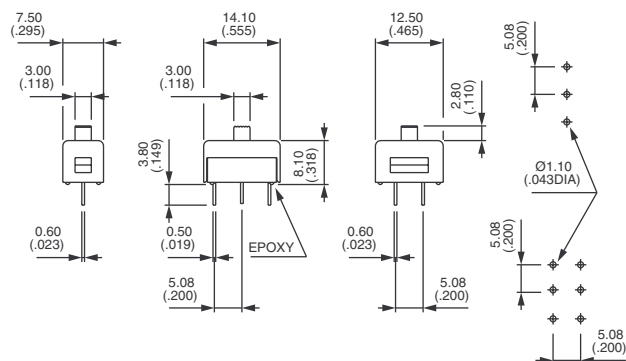
Double pole
25146N H
25149N H



Terminal spacing
5,08 (.200)

Single pole
25436N H
25439N H

Double pole
25446N H
25449N H



Extra high actuator : 25000NH6

Terminal spacing
2,54 (.100)

Single pole
25136N H6
25139N H6

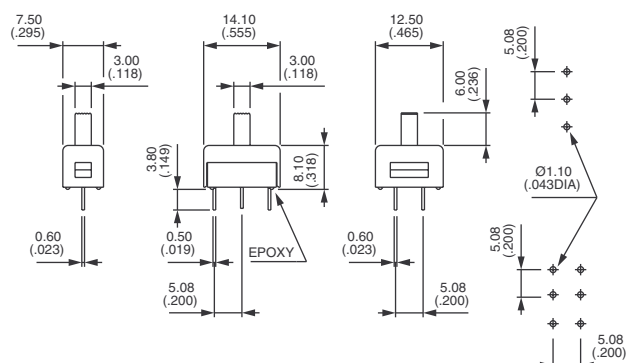
Double pole
25146N H6
25149N H6



Terminal spacing
5,08 (.200)

Single pole
25436N H6
25439N H6

Double pole
25446N H6
25449N H6



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Figure 1: Dimensions of the test fixture. The diagram shows three views of a test fixture with various dimensions in inches and millimeters. The top view shows a rectangular base with a central circular feature. The side view shows the profile of the base and the central feature. The front view shows the top of the base and the central feature. Dimensions include overall width (7.50 in / .295 in), overall height (12.50 in / .465 in), and various internal and external features.

Figure 1 is a schematic diagram illustrating the experimental setup for the study. It shows five different configurations of a robot on a horizontal surface, labeled B, H, H6, 6, and 7. Each configuration is shown with its dimensions in inches and centimeters.

- Configuration B:** Height = 8.10 (.205), Width = 3.16 (.080)
- Configuration H:** Height = 10.80 (.271), Width = .425 (.011)
- Configuration H6:** Height = 14.10 (.358), Width = .555 (.014)
- Configuration 6:** Height = 7.50 (.190), Width = .230 (.006)
- Configuration 7:** Height = 7.50 (.190), Width = .600 (.015)

Function 6	ON	-	ON
Function 9	ON	OFF	ON

A	Silver
LD	Brass, gold plated

F	Tin dipped terminals (for models with gold plated contacts only).
X601	Silver plated brass contacts - Lower rating 3VA 30VDC. Min quantity : 5.000 pieces per model and shipment.
X693	Flame retardant plastic materials
X693UL	Switches approved and marked UL (silver contacts only)