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) : 10µA 5VDC - 10mA 50mV
- Initial contact resistance :
  - silver contacts (A) : 10mΩ max.
  - gold plated brass contacts (LD) : 50mΩ max.
- Insulation resistance : 1.000 MΩ 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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25000N series

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Overview

MODEL STRUCTURE

25				N
SERIES	Actuator and terminals	Number of poles	Electrical functions	Version

Actuator and terminals

- **1** Flush or high actuator, terminal spacing 2,54 (.100)
- **4** Flush or high actuator, terminal spacing 5,08 (.200)
- **3** Side actuator, terminal spacing 2,54 (.100)
- **5** Side actuator, terminal spacing 5,08 (.200)

Number of poles

- **3** Single pole
- **4** Double pole

Electrical functions

6	ON	-	ON
9	ON	OFF	ON

Version

N
For all models

OPTIONS

Contact materials

- **A** Silver
- **LD** Gold plated brass

Actuator

- **B** Flush
- **H** High
- **H6** Extra high
- **Blank** Side
- **6** Long side

Options and approvals

- **X601** Special contact : lower rating
- **F** Tin dipped terminals

Other : see following pages.

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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.

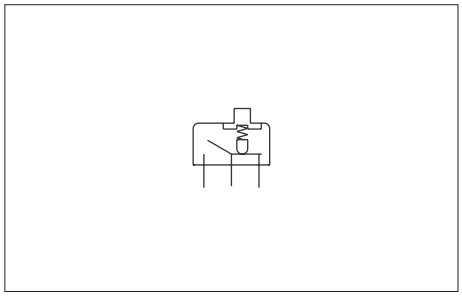
NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

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

MODEL STRUCTURE

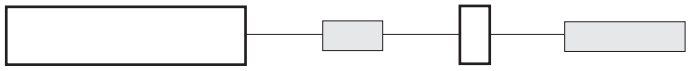
25000N series

Professional slide switches



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

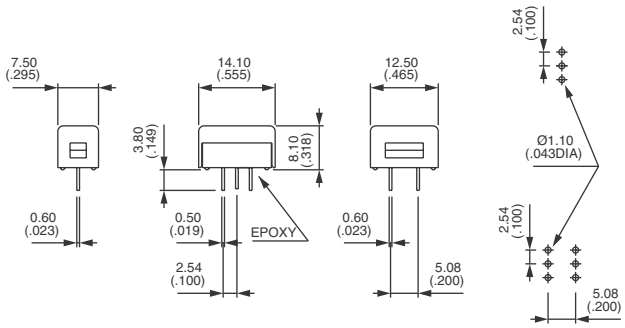
MODEL STRUCTURE



Flush actuator : 25000NB



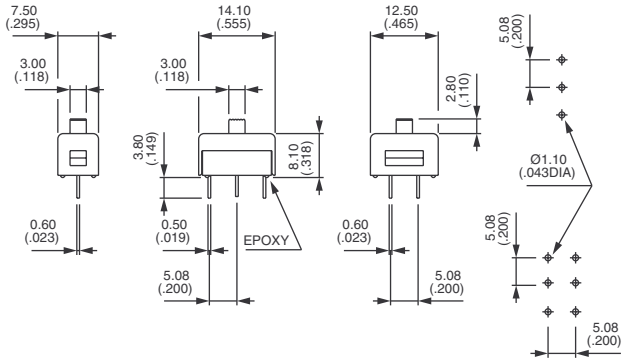
Terminal spacing 2,54 (.100)	Terminal spacing 5,08 (.200)
Single pole	Single pole
25136N B	**25436N B**
25139N B	**25439N B**
Double pole	Double pole
25146N B	**25446N B**
25149N B	**25449N B**



High actuator : 25000NH



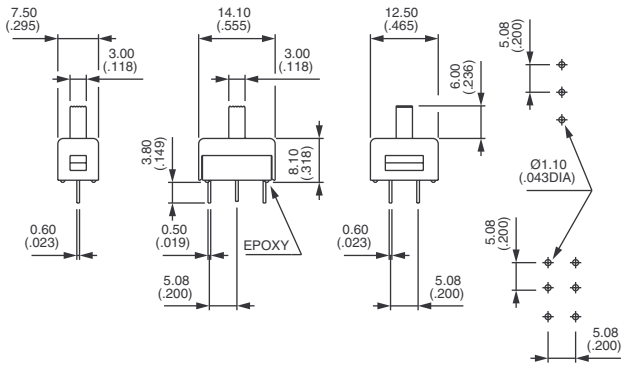
Terminal spacing 2,54 (.100)	Terminal spacing 5,08 (.200)
Single pole	Single pole
25136N H	**25436N H**
25139N H	**25439N H**
Double pole	Double pole
25146N H	**25446N H**
25149N H	**25449N H**



Extra high actuator : 25000NH6



Terminal spacing 2,54 (.100)	Terminal spacing 5,08 (.200)
Single pole	Single pole
25136N H6	**25436N H6**
25139N H6	**25439N H6**
Double pole	Double pole
25146N H6	**25446N H6**
25149N H6	**25449N H6**



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25000N series

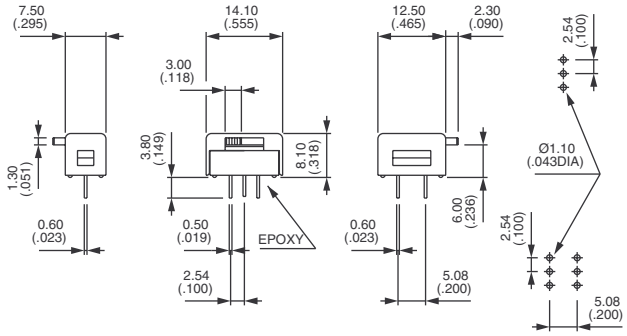
Professional slide switches

OPTIONS

Side actuator : 25000N



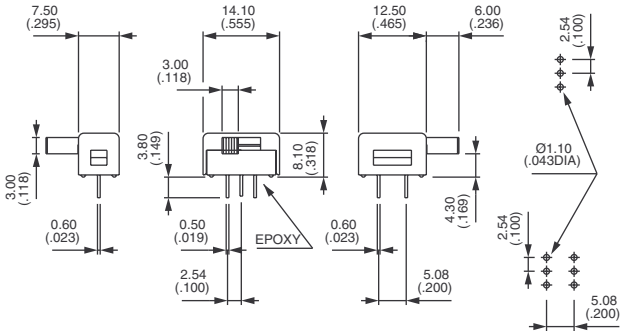
Terminal spacing 2,54 (.100)	Terminal spacing 5,08 (.200)
Single pole	Single pole
25336N	**25536N**
25339N	**25539N**
Double pole	Double pole
25346N	**25546N**
25349N	**25549N**



Long side actuator : 25000N6

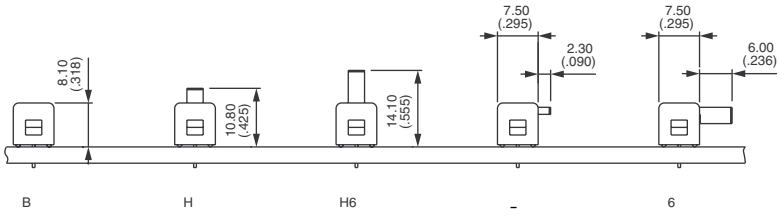


Terminal spacing 2,54 (.100)	Terminal spacing 5,08 (.200)
Single pole	Single pole
25336N 6	**25536N 6**
25339N 6	**25539N 6**
Double pole	Double pole
25346N 6	**25546N 6**
25349N 6	**25549N 6**

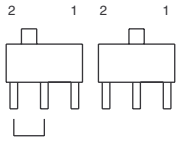


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PCB MOUNTING

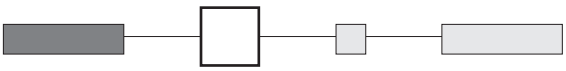


POSITIONS AND CONNECTIONS



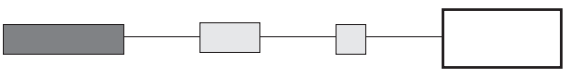
Function 6	ON	-	ON
Function 9	ON	OFF	ON

CONTACT MATERIALS



A	Silver
LD	Brass, gold plated

OPTIONS AND APPROVALS



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)