### Professional toggle switches - threaded bushing $\emptyset$ 6,35 (1/4)

Specifications

#### **ELECTRICAL SPECIFICATIONS**

• Max. current/voltage rating with resistive load:

Peak currents, refer to "Special options". - silver contacts (A-AD2-X780) : 2A 250VAC - 4A 125VAC - 4A 30VDC - gold contacts (D) : 200mA 250VAC - 400mA 125VAC

Minimum load: AD2-X780-D contacts: 10mA 50mV, 10µA 5V min.

• Initial contact resistance :  $10 \text{ m}\Omega$  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 and between terminals and frame

• Contact bounce: 2 ms max.

• Electrical life at full load :

		Number of cycles	
Contacts	Max. current/voltage rating	2 positions	3 positions
А	2A 250VAC - 4A 125VAC - 4A 30VDC	50.000	50.000
AD2 X780	2A 250VAC - 4A 125 VAC - 4A 30VDC (Gold plating : 100mA 30VDC max.)	20.000	20.000
D	200mA 250VAC - 400mA 125VAC	80.000	50.000
	Low level or mechanical life	150.000	100.000

#### **MATERIALS**

- Case : diallylphthalate (DAP)
- Actuator : brass, nickel plated
- Bushing : brass, nickel plated
- Housing: brass, nickel plated

 Contacts A: silver

AD2: gold plated silver

(2 microns gold)

X780 : solid rivet - gold plated silver/nickel alloy
D : solid gold rivet

X910 : silver/nickel alloy (for peak currents, see "Special

options")

Terminal seal : epoxy

Note: AD2 and X780 contacts can be used for high level applications. In this case, the gold layer is considered only as a protection against oxidation during storage.

#### **GENERAL SPECIFICATIONS**

- Torque:1,25 Nm (.92 Ft.lb) max. applied between the 2 nuts
- Standard panel thickness: 2,5 mm (.098) max.
- Operating temperature : -40°C to +85°C

#### **RELIABILITY - RUN-IN TEST**

Upon request, each individual switch can be submitted to a low level run-in test of 50 or 250 cycles to ensure suitability for special applications requiring a very high level of reliability (military, etc.).

### **AGENCY APPROVALS**



**Availability**: consult factory for details of approved models.

Marking: to order switches marked CECC, complete appropriate box of

ordering format.

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

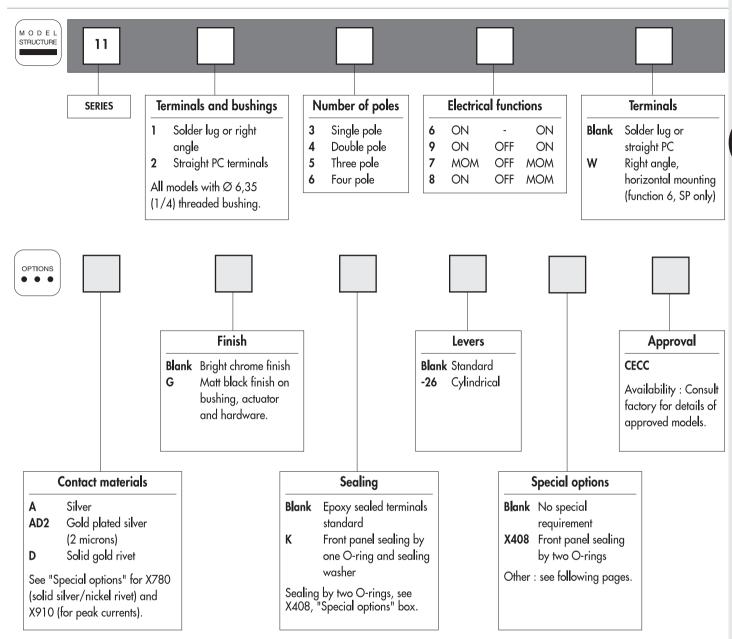


Packaging unit: 25 pieces or 50 pieces depending on models.

A-64 全国销售电话: 4008-824-824 更多资料详情: WWW.SANPUM.COM SANPUM

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**Overview** 



NOTICE: please note that not all combinations of above numbers are available.

Refer to the following pages for further information.

### **ABOUT THIS SERIES**

On the following pages, you will find successively:

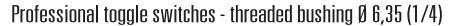
- model structure of switches
- options in the same order as in above chart



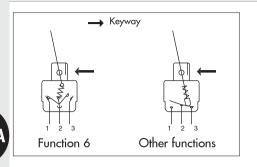
Sealing boots are available to protect the switches against dust and water. They are presented in section H.



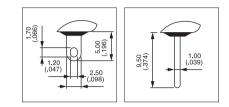
**Mounting accessories**: standard hardware supplied with all models: 2 hex nuts 8 (.314) across flats, 1 locking ring and 1 lockwasher. Standard and special hardware available are presented in section I.





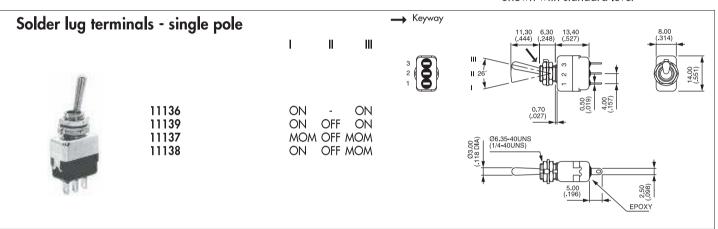


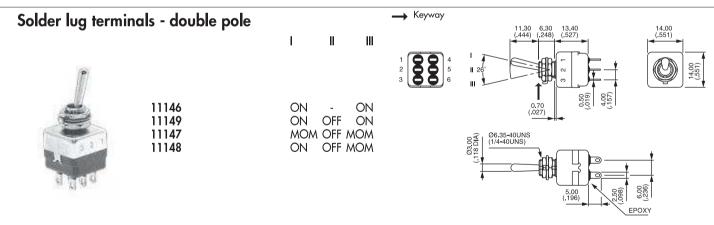
- Solder lug, straight PC or right angle terminals
- Epoxy sealed terminals standard

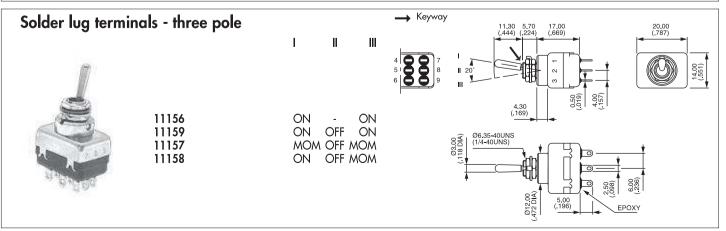




### Shown with standard lever

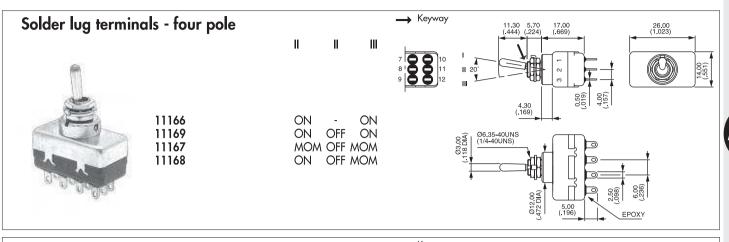


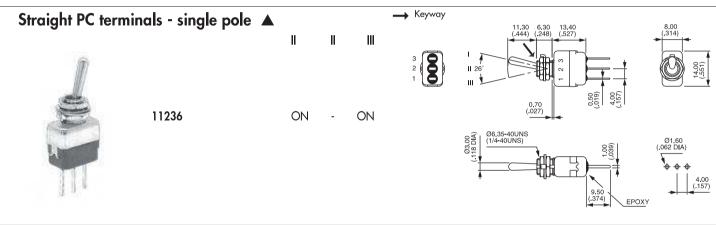


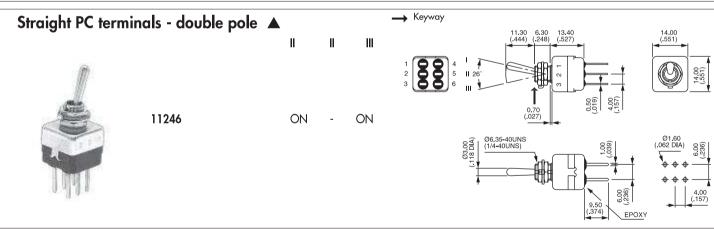


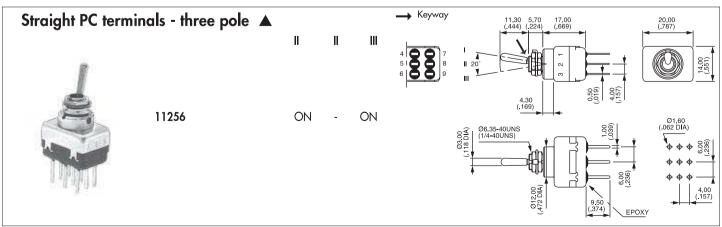


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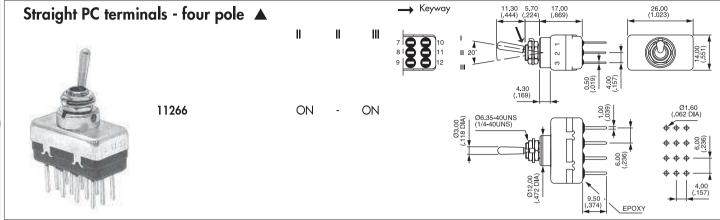


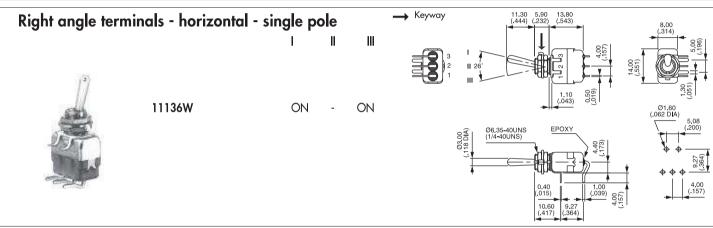


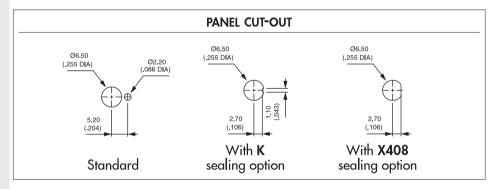




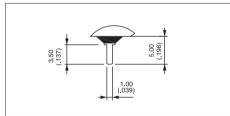
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▲ 3,5 mm (.138) short terminals available for function 6, as well as for functions 9, 7 and 8. On request.



Δ



Professional toggle switches - threaded bushing  $\emptyset$  6,35 (1/4)

### **CONTACT MATERIALS**



A Silver

AD2 Gold plated silver (2 micron gold)

**D** Solid gold rivet

See "Special options" for contacts X780 (solid silver/nickel rivet) and contacts X910 (for peak currents).

### **FINISH**

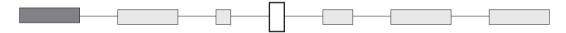


**Blank** Bright chrome finish

**G** Matt black finish on bushing, lever and hardware.

Other finish, consult factory.

#### **SEALING**



Epoxy sealed terminals are standard.

**Blank** No sealing except standard

**K** Front panel sealing by O-ring and sealing washer. Protects the switch against water and dust.

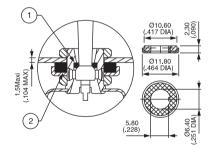
Panel seal withstands 1 bar pressure and remains sealed even when

switch is operated.

Not available on 11000W model.

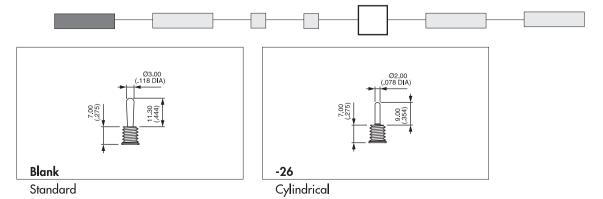
Sealing by two O-rings, see X408 under "Special options".

Sealing boots: see section H.



① O-ring ② Sealing washer

### **LEVERS**



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### SPECIAL OPTIONS

**X408** Front panel sealing by two O-rings. Flatted bushing for precise orientation

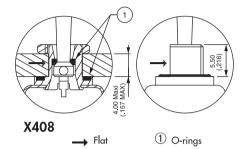
Protects the switch against water and dust.

Panel seal withstands 1 bar pressure and remains sealed even when switch is operated.

 $\bigcirc$ 

Not available on 11000W model.

X780 Solid rivet, gold plated silver/nickel alloy



### X910 Switches for peak currents

Peak current up to 80A (1 ms) 60VDC - single/double pole



Double pole 11146 X910 ON - ON

- Contacts: solid rivet silver/nickel alloy (AgNi)
- Max. current/voltage rating:
   3/80A (1 ms) 60VDC 10.000 cycles
   2/30A 250VAC 10.000 cycles
- Further specifications and dimensions : see previous pages
- General information on peak currents : see end of catalogue.

### **AGENCY APPROVALS**

CECC 96201-005 (high level - contacts X780) CECC 96201-008 (low level - contacts AD2 or D)

Availability: consult factory for details of approved models.

Marking: to order switches marked CECC, complete above box with "CECC".

Blank: no agency approval required.

A-70 全国销售电话: 4008-824-824 更多资料详情: WWW.SANPUM.COM SANPUM