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 : $1.000 \text{ M}\Omega$ min. at 500 VDC
- 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 :

		Numb	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.

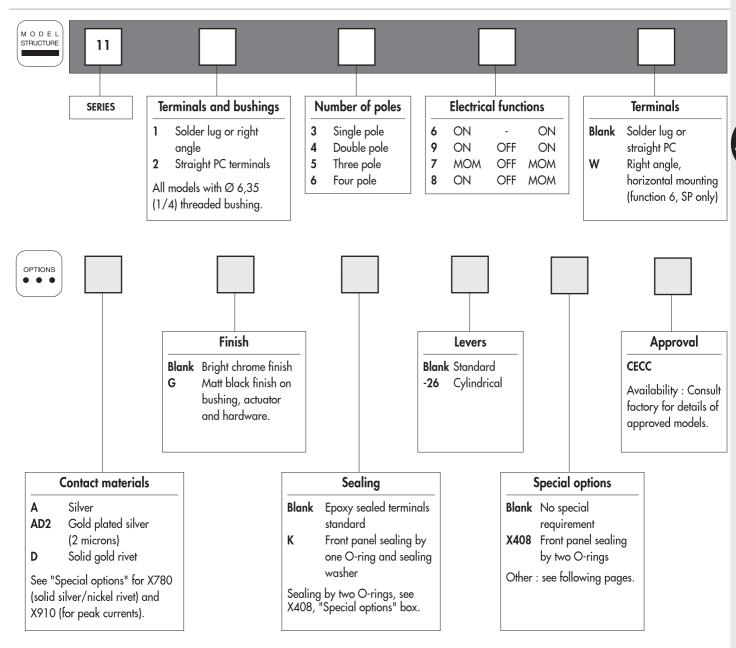
Dimensions: first dimensions are in mm while inches are shown as bracketted numbers.



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

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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



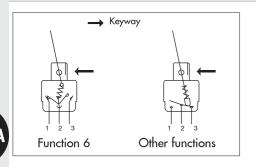
Sealing boots are available to protect the switches against dust and water. They are presented in section H.



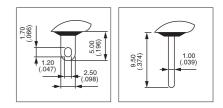
Mounting accessories: standard hardware supplied with all models: 2 hex nuts 8 (.314) across flats, 1 locking ring and 1 lockwasher. Standard and special hardware available are presented in section I.

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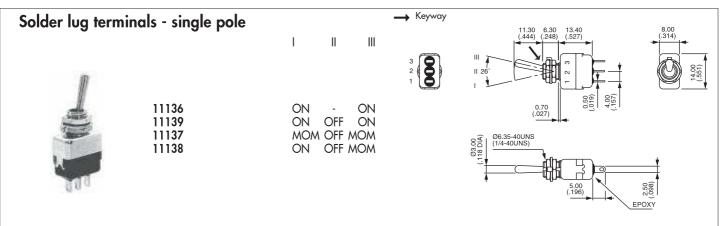


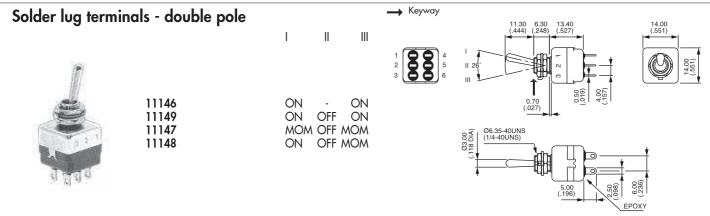
- Solder lug, straight PC or right angle terminals
- Epoxy sealed terminals standard

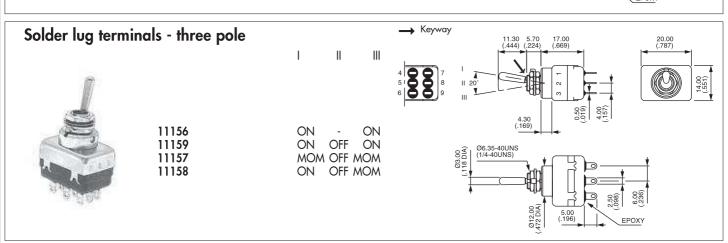




Shown with standard lever

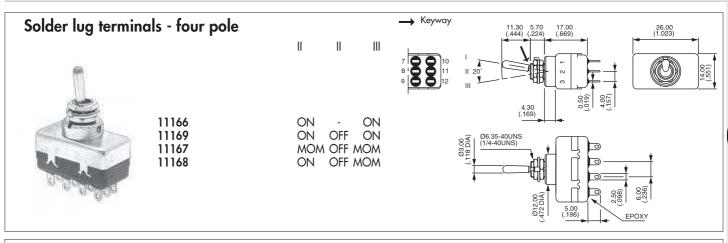


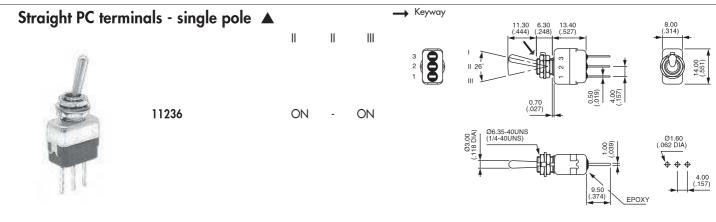


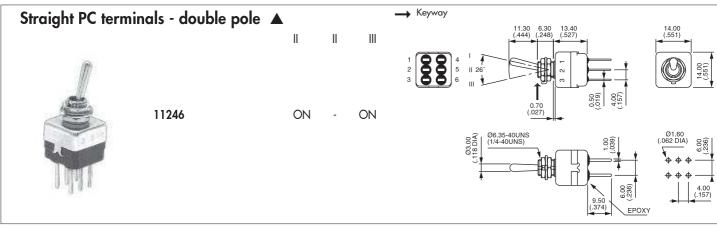


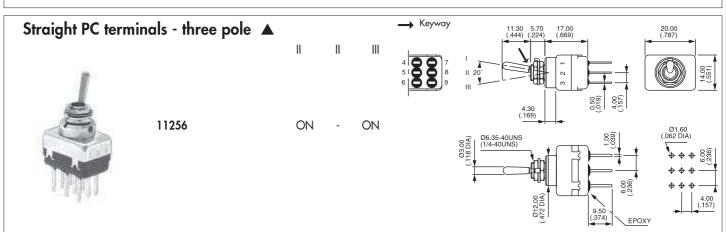


Professional toggle switches - threaded bushing \emptyset 6,35 (1/4)



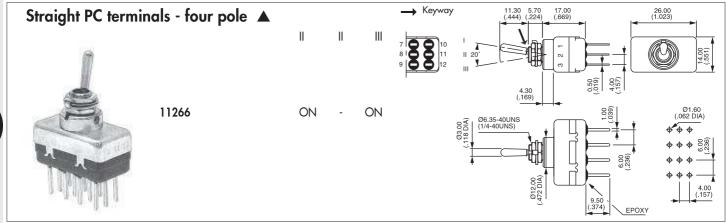


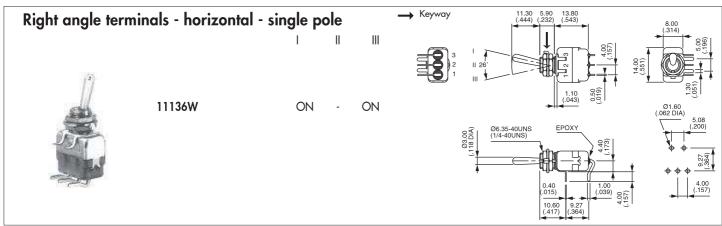


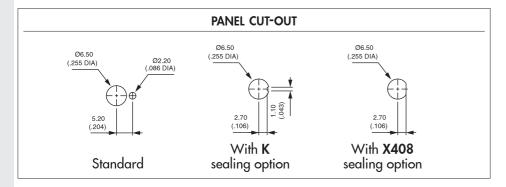




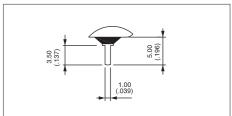
Professional toggle switches - threaded bushing \emptyset 6,35 (1/4)





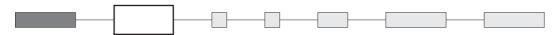


▲ 3,5 mm (.138) short terminals available for function 6, as well as for functions 9, 7 and 8. On request.



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

CONTACT MATERIALS

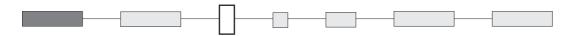


Gold plated silver (2 micron gold) AD2

Solid gold rivet

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

FINISH

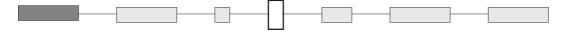


Bright chrome finish Blank

Matt black finish on bushing, lever and hardware. G

Other finish, consult factory.

SEALING



Epoxy sealed terminals are standard.

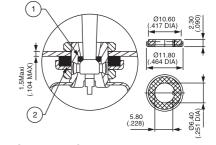
Blank No sealing except standard

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.

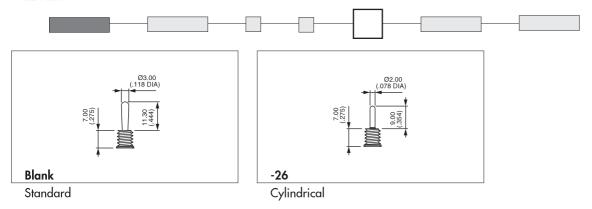
Not available on 11000W model.

Sealing by two O-rings, see X408 under "Special options". Sealing boots: see section H.



① O-ring ② Sealing washer

LEVERS



钮子开关价格查询全国统一热线 4006-022-002 APEM代理商 IP67防水钮子开关IP68

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① O-rings

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.

 $\overline{(\dot{\mathbf{V}})}$

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)

X408

- 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

4.00

Flat

• 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.