High performance pushbutton switches - threaded bushing \emptyset 11,9 (15/32)

Distinctive features





CECC 96401-001

GAM - MUAHAG and QPL listed.

French defence approved : DAT list No A5999 X001.

This range of professional switches is suitable for use in military and other high specification environments.



Highly reliable contacts suitable for low level applications (10mA 50mV, $10\mu A$ 5VDC min.) or power applications (2A 250VAC, 4A 125VAC, 4A 30VDC max.)

☐ Double shell case

For high mechanical strength and high electrical insulation.

Compact size

The small rear end of the switch allows space savings behind the panel.

☐ Finish

Matt black finish on body, bushing, plunger and hardware.

☐ Full sealing

Panel sealed to IP 67, these switches are frontal sealed by three O-rings and have full rear end sealing.





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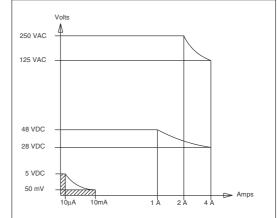
Specifications

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load: 2A 250VAC 4A 125VAC 4A 28VDC
- Minimum load: 10mA 50mV, 10µA 5VDC

When used above 300mA 28VDC, the gold plating is removed on contact areas and is considered only as a protection against oxidation during storage.

- 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
- 2.000 Vrms 50 Hz min. between terminals and frame
- Contact bounce: 2 ms max.
- Electrical life:
 - At 2A 250VAC 4A 28VDC : 10.000 cycles - At low level (50mV 10mA): 150.000 cycles

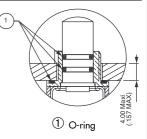


MATERIALS

- Case : diallylphthalate (DAP) with PBT external shell (epoxy sealed)
- Actuator : brass, black chrome plated
- Bushing: brass, black chrome plated
- Contacts: silver inlay gold plated over nickel barrier

SEALING

- Front panel sealing by three O-rings
- Panel seal withstands 1 bar pressure and remains sealed even when the switch is operated.
- Epoxy sealed terminals
- Splash-proof case



GENERAL SPECIFICATIONS

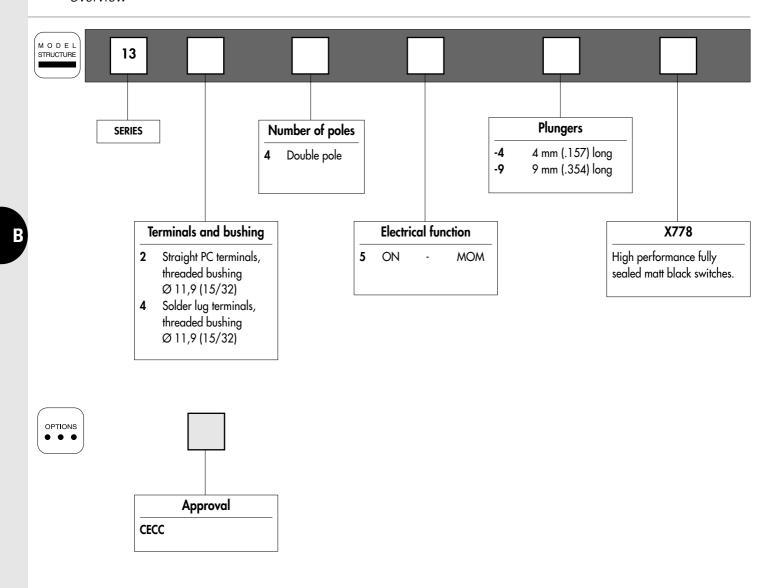
- Total travel : 2 mm (.078)
- Torque: 1,50 Nm (1.10 Ft.lb) max. applied to nut
- Panel thickness: 5 mm (.196) max.
- Shock test : 50g 11ms (IEC 68-2-27) Vibrations : 10-500 Hz 10g (IEC68-2-6)
- Operating temperature : -40°C to +85°C
- Humidity test: 56 days, 93 % R.H., 40°C (IEC 68-2-3)
- Salt spray test: 96 hours (IEC 68-2-11)

APPROVALS

Many models within this range have full CECC approval. To order switches marked CECC, complete appropriate box of ordering format.

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Overview



ABOUT THIS SERIES

On the following pages, you will find successively:

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

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



Sealing boots can be used to further protect the switches against dust and water. They are presented in section H.



Mounting accessories: standard hardware supplied with all models: 1 hex nut 14 (.551) across flats, part number U41. This nut is presented after model structure of switches.

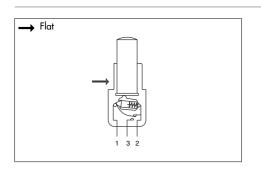


Packaging unit: 25 pieces

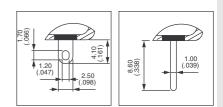
B-72

High performance pushbutton switches - threaded bushing \emptyset 11,9 (15/32)

Fully sealed - matt black



• Quick-break momentary pushbutton switches



MODEL STRUCTURE

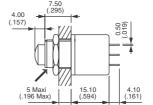
Solder lug terminals - double pole - 4 mm (.157) plunger



13445-4X778







Solder lug terminals - double pole - 9 mm (.354) plunger

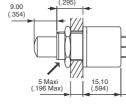


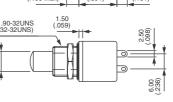
13445-9X778











Straight PC terminals - double pole - 4 mm (.157) plunger \rightarrow Flot

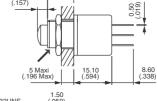


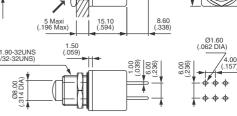
13245-4X778







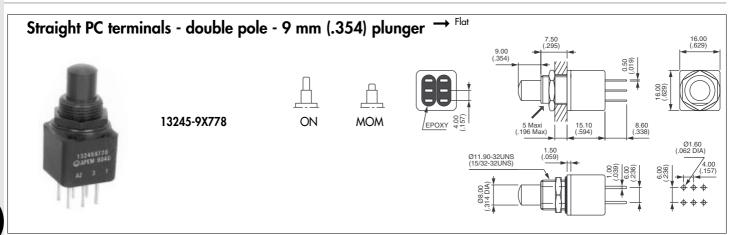


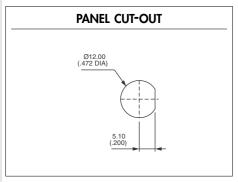


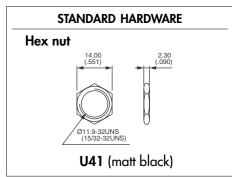
B-73 **APEM** www.apem.com

High performance pushbutton switches - threaded bushing \emptyset 11,9 (15/32)

Fully sealed - matt black







		POSITION	IS AND CONNECTIONS	
FUNCTION	BUTTON POSITION AND CONNECTIONS		TERMINAL IDENTIFICATION	
	ON	МОМ	→ Flat	
13245 13445	A 1-2 B 1-2	A 1-3 B 1-3	2 3 1 B	II
			I	

AGENCY APPROVAL



CECC CECC 96401-001

Marking: to order switches marked CECC, please complete above box with "CECC". Blank: no agency approval required.

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