QPL listed toggle switches - threaded bushing \emptyset 11,9 (15/32)

Distinctive features

Approval and lists

M3950/16 M83731/24

QPL listed

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



Contacts

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

Pinned lever

The base of the switch lever is pinned to the bushing, thus earthing the lever to the bushing. This also provides strain relief to protect the switch if accidentally knocked.

Double shell case

For high mechanical strength and high electrical insulation.



Compact size

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



Finish

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

Sealing

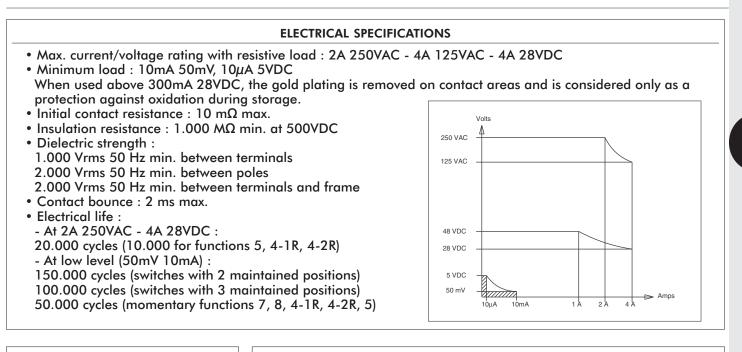
Panel sealed to IP 67, these switches are frontal sealed by two O-rings and have full rear end sealing.

Accessories

A comprehensive range of protection boots (both full and half length), locking levers and security caps are available.

QPL listed toggle switches - threaded bushing Ø 11,9 (15/32)

Specifications



MATERIALS

- Case: diallylphthalate (DAP) with plastic external shell (epoxy sealed)
- Actuator: brass, black chrome plated
- Bushing : brass, black chrome plated
- Contacts : solid rivet gold plated silver/nickel alloy
- Front panel sealing by two O-rings Flatted bush for precise orientation
- Panel seal withstands 1 bar pressure and remains sealed even when the switch is operated.
- Epoxy sealed terminals
- Splash-proof case

GENERAL SPECIFICATIONS

SEALING

→ Flat

① O-rings

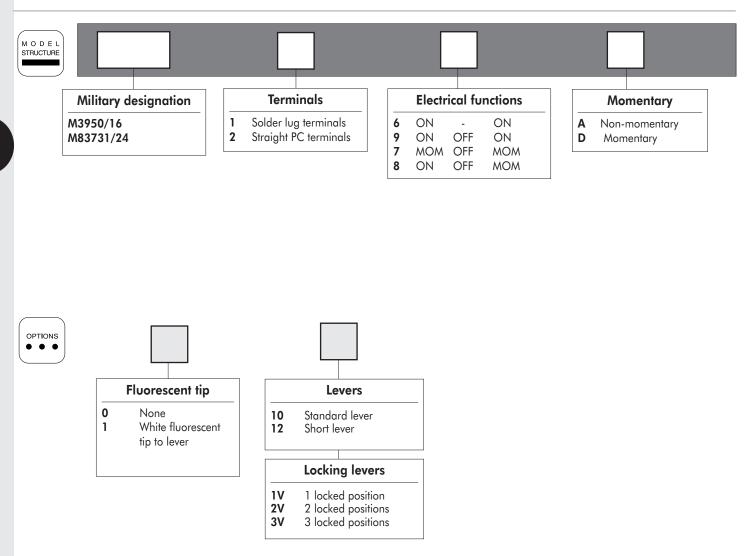
- Torque : 1,50 Nm (1.10 Ft.lb) max. applied to nut
- Panel thickness : 8 mm (.314) max. 3 mm (.118) min.
- Shock test : 50g 11ms (IEC 68-2-27)
- Vibrations : 10-500 Hz 10g (IEC68-2-6)
- Operating temperature : -40°C to +85°C
- Humidity test : 56 days, 93 % R.H., 40°C (IEC 68-2-3)
- Salt spray test : 96 hours (IEC 68-2-11)

APPROVALS

All models within this range are QPL listed and comply with M3950 and M83731

QPL listed toggle switches - threaded bushing Ø 11,9 (15/32)

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 mm (.551) across flats, part

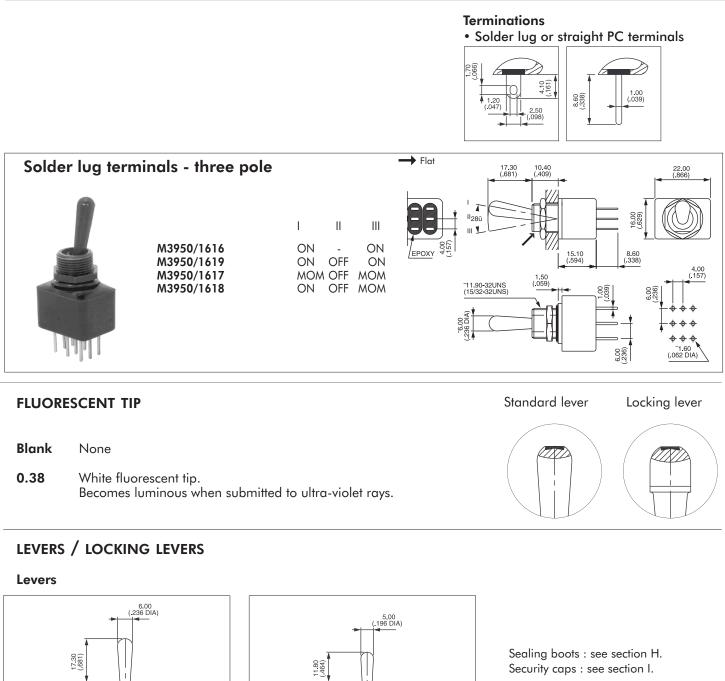
number U41. This nut is presented after model structure of switches.

Security caps are available to prevent inadvertent lever operation. They are presented in section I.



Packaging unit : 20 pieces

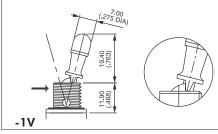
QPL listed toggle switches - threaded bushing Ø 11,9 (15/32)



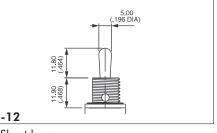
Standard (leave blank)

11.90

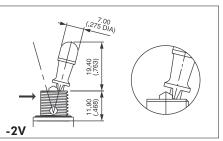
Locking levers



1 locked position (function 6)



Short lever



2 locked positions (function 6)

→ Flat 7.00 (.275) 20.60 811) 1.90 -3V

3 locked positions (functions 9 and 4)

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