

5000M series

Miniature toggle switches •
threaded bushing Ø 11.9 mm



DISTINCTIVE FEATURES

Bushing Ø 11.9 (15/32)

Panel mounting and PCB terminal combination available

1 to 4 pole configurations

UL and CSA approved



ELECTRICAL SPECIFICATIONS

- Current/voltage rating with resistive load :

Contact	Maximum	Minimum	Level*
Silver (A)	4 A 30 VDC	50 mA 10 VDC	III and IV
Silver, gold plated (AD)	4 A 30 VDC Gold plating withstands up to 100 mA 30 VDC	10 mA 50 mV 10 µA 5 V	I to IV
Brass, gold plated (CD)	0.4 VA at 20 VAC or DC	10 mA 50 mV 10 µA 5 V	I and II

*For details, see Technical Information on webs te.

- For inductive, lamp or capacitive load, consult factory.
- Initial contact resistance : 10 mΩ max.
- Insulation resistance : 1,000 MΩ min. at 500 VDC
- Dielectric strength :
1,000 Vrms 50 Hz min. between terminals
1,500 Vrms 50 Hz min. between poles
1,500 Vrms 50 Hz min. between terminals and frame
- Contact bounce : 2 ms max.
- Electrical life at full load :
50,000 cycles for single and double pole
40,000 cycles for 3 pole
30,000 cycles for 4 pole
- Low level or mechanical life : 100,000 cycles



GENERAL SPECIFICATIONS

- Torque : 1.25 Nm (.922 Ft.lb) max. applied to nut
- Panel thickness : up to 6 mm (.236)
- Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F)



The company reserves the right to change specifications without notice.

5000M series

Miniature toggle switches • threaded bushing Ø 11.9 mm

MATERIALS

- Case : diallyphthalate (DAP) or high temperature plastic material (UL94-V0)
- Actuator : brass, nickel plated
- Bushing : brass, nickel plated
- Housing : stainless steel or steel tin plated
- Contacts
 - A : silver
 - AD : silver, gold plated
 - CD : brass, gold plated
 - X814 : for peak currents, see "Special options".
- Terminal seal : epoxy

AGENCY APPROVALS



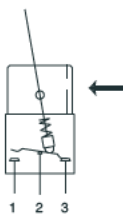
3 A 250 VAC, 6 A 125 VAC

Availability : consult factory for details of approved models.

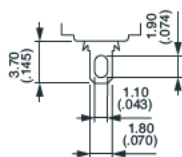
Marking : to order switches marked UL or CSA, complete appropriate box of ordering format. The preferential list does not appear on the switches.

ELECTRICAL FUNCTION

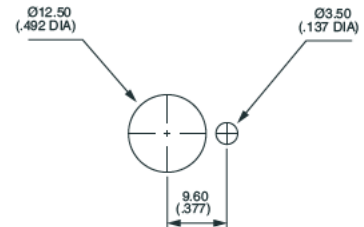
→ KEYWAY



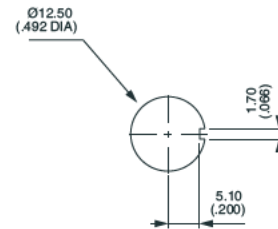
TERMINALS



PANEL CUT-OUT



Standard

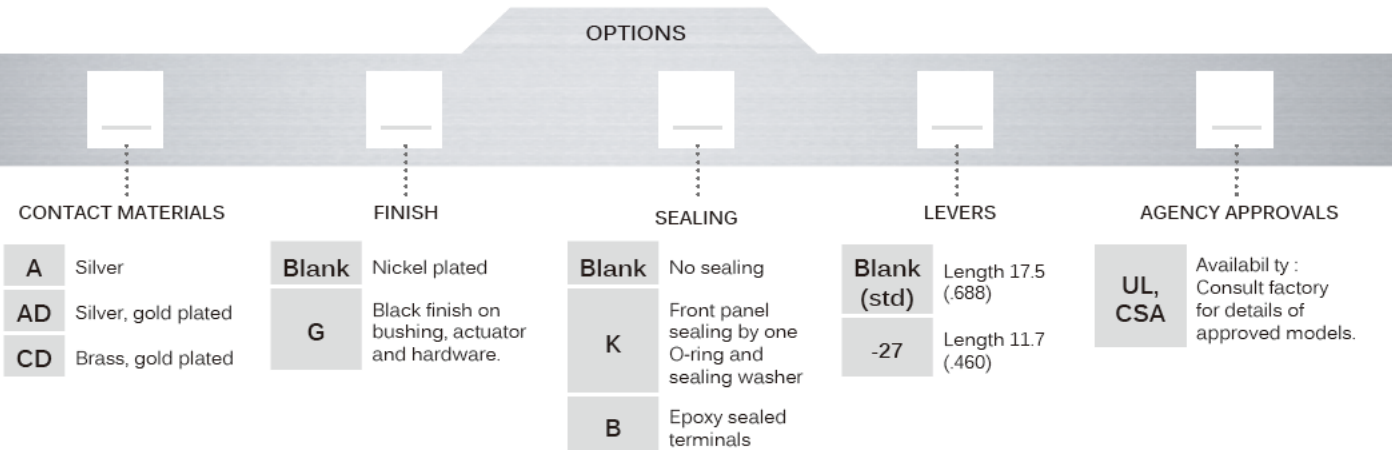
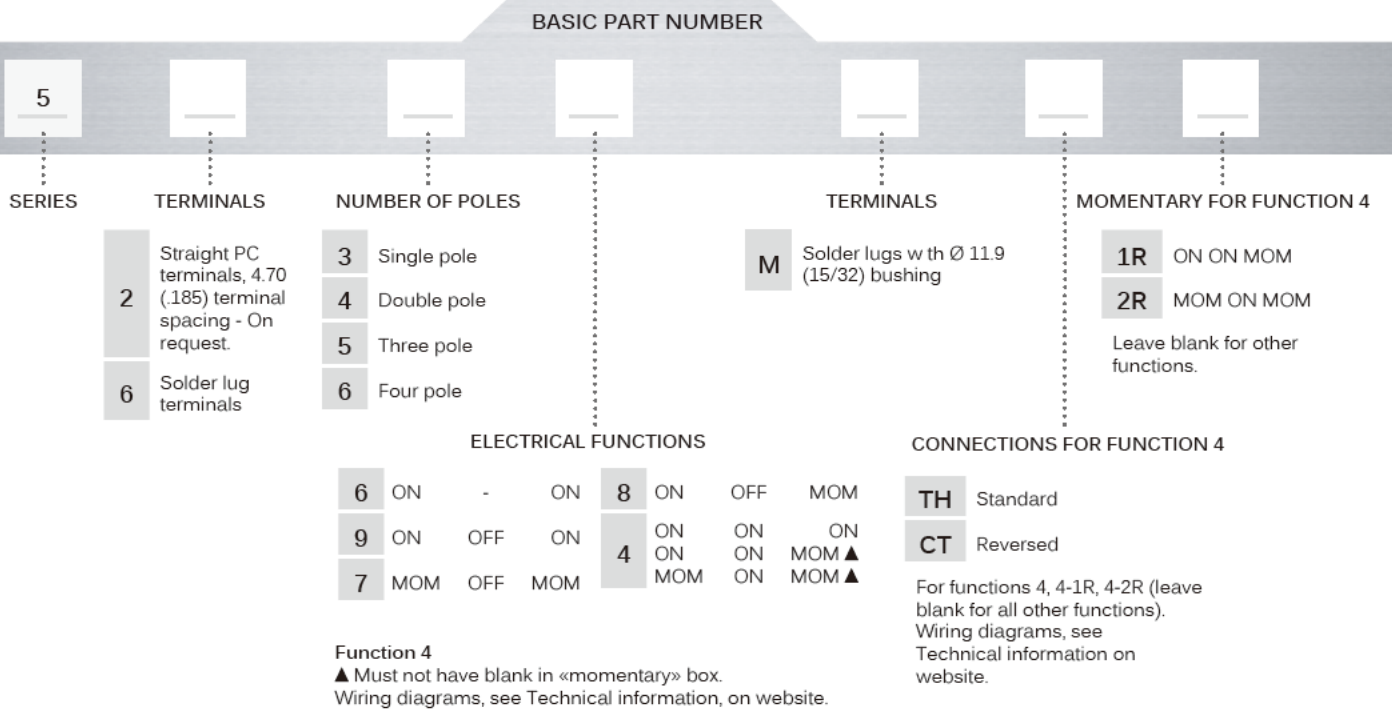


With K sealing option

5000M series

Miniature toggle switches • threaded bushing Ø 11.9 mm

BUILD YOUR PART NUMBER



ABOUT THIS SERIES

On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.

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

🔧 **Mounting accessories :** standard hardware supplied with all models : 2 hex nuts 14 mm (.551) across flats and 1 locking ring. Standard and special hardware is presented in the "Hardware" section of website.

5000M series

Miniature toggle switches •
threaded bushing Ø 11.9 mm

SOLDER LUG TERMINALS SINGLE POLE



5636M	III ON	II -	I ON
5639M	ON	OFF	ON
5637M	MOM	OFF	MOM
5638M	ON	OFF	MOM

SOLDER LUG TERMINALS DOUBLE POLE



5646M	III ON	II -	I ON
5649M	ON	OFF	ON
5647M	MOM	OFF	MOM
5648M	ON	OFF	MOM
5644 M*	ON	ON	ON
5644M 1R*	ON	ON	MOM
5644M 2R*	MOM	ON	MOM

SOLDER LUG TERMINALS THREE POLE



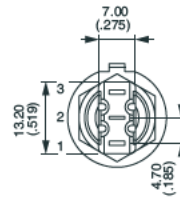
5656M	III ON	II -	I ON
5659M	ON	OFF	ON
5657M	MOM	OFF	MOM
5658M	ON	OFF	MOM

SOLDER LUG TERMINALS FOUR POLE

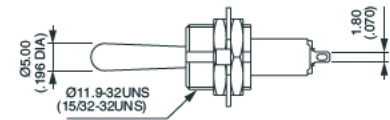
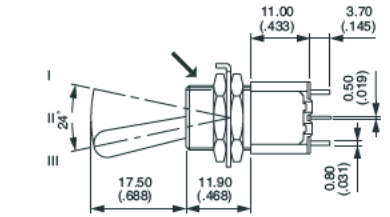


5666M	III ON	II -	I ON
5669M	ON	OFF	ON
5667M	MOM	OFF	MOM
5668M	ON	OFF	MOM
5664 M*	ON	ON	ON
5664M 1R*	ON	ON	MOM
5664M 2R*	MOM	ON	MOM

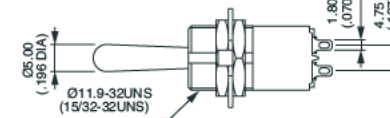
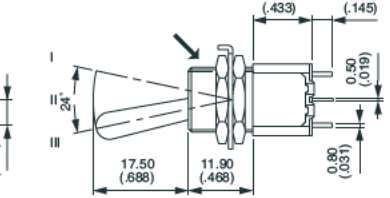
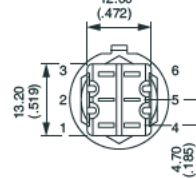
KEYWAY



Shown with standard lever

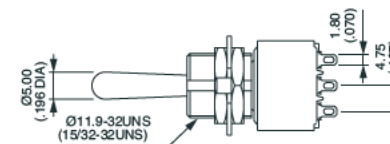
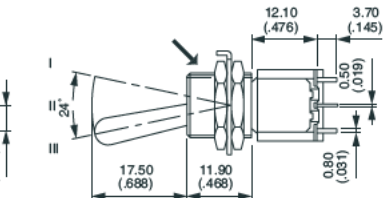
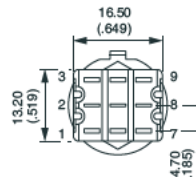


KEYWAY

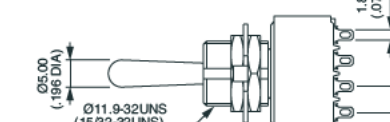
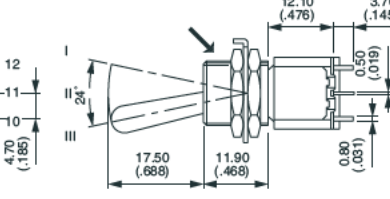
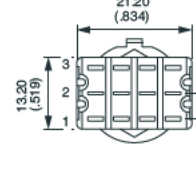


*Function 4 : DP in 4P case - specify CT or TH connections, see "Technical information" on website.

KEYWAY



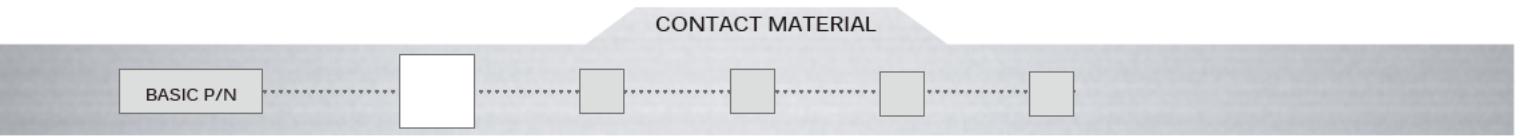
KEYWAY



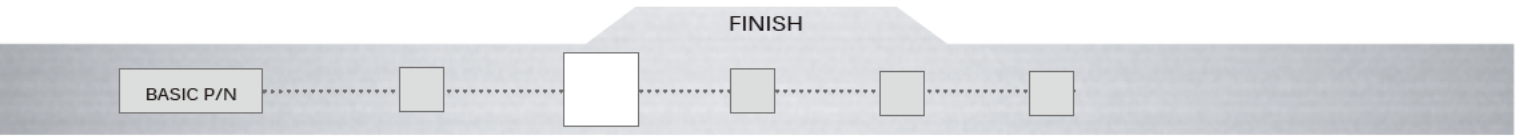
*Function 4 : DP in 4P case - specify CT or TH connections, see "Technical information" on website.

5000M series

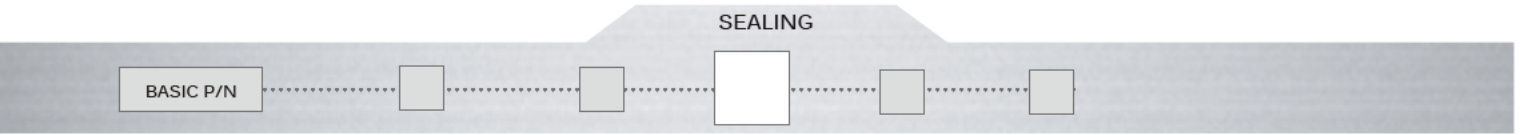
Miniature toggle switches • threaded bushing Ø 11.9 mm



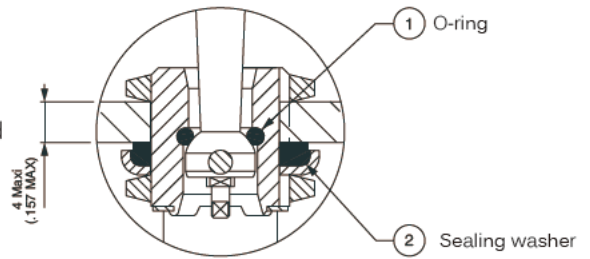
- A Silver
- AD Silver, gold plated
- CD Brass, gold plated



- Blank Nickel plated
- G Black finish on bushing, actuator and hardware



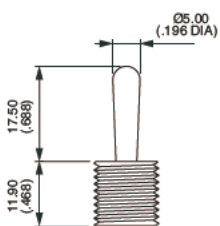
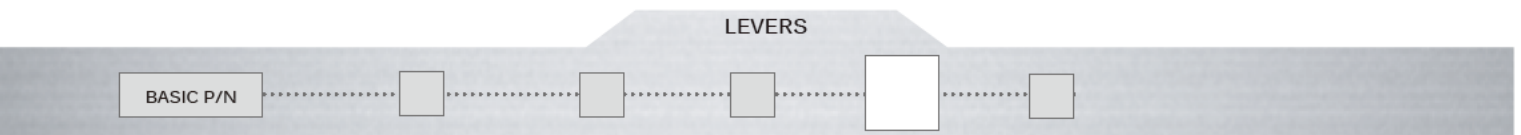
- Blank No sealing required
- K Keyway bushing. Includes washer U60. Front panel sealing by one O-ring and sealing washer. Protects the switch against water and dust. Panel seal withstands 1 bar pressure and remains sealed even when switch is operated.
- B Epoxy sealed terminals
- KB Combined sealings



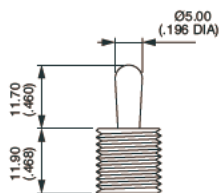
K



B



Blank
Standard



-27

5000M series

Miniature toggle switches •
threaded bushing Ø 11.9 mm

AGENCY APPROVALS

BASIC P/N

UL

CSA

Blank No agency approval required.

Availability : consult factory for details of approved combinations or options.

Marking : to order switches marked UL or CSA, complete above box with desired approvals, in this order & without space (ex. : ULCSA).