



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# AV series

Security pushbutton switches •  
Ø 16 mm • latching



## DISTINCTIVE FEATURES

- Latching action
- 3 terminal types
- Panel sealing option



## ENVIRONMENTAL SPECIFICATIONS

- Optional front panel sealing : IP65 according to IEC 60529
- Operating temperature : -30 °C to +70 °C (-22 °F to +158 °F)



## ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load : 1 A 24 VDC
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1 GΩ min. at 500 VDC
- Dielectric strength :  
1,500 Vrms 50 Hz min. between terminals  
1,000 Vrms 50 Hz between terminals and frame
- Electrical life : 40,000 cycles



## GENERAL SPECIFICATIONS

- Torque : 5 Nm min. - 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 6 mm (.236) max.
- Low level or mechanical life : 200,000 cycles
- Hand soldering : 300 °C (572 °F), 5 sec. max.



## MATERIALS

- Case : PA-6T, UL94-V0
- Contacts : silver (A), gold plated silver (AD) on request
- Bushing and actuator : see next page

The company reserves the right to change specifications without notice.

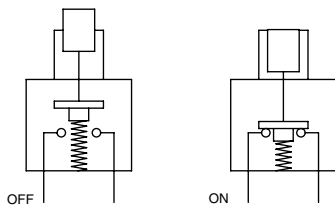


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## ELECTRICAL FUNCTIONS



## MOUNTING

- Panel cut-out : Ø 16.2 mm (.637)
- Min. pitch for matrix mounting :  
24 mm x 24 mm (.944 x .944)

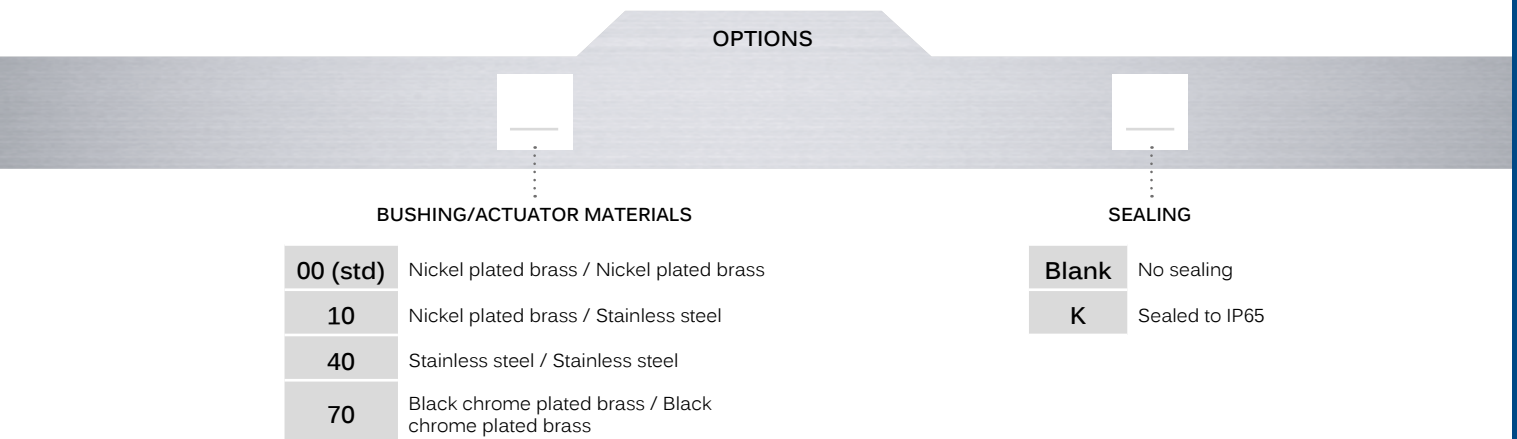
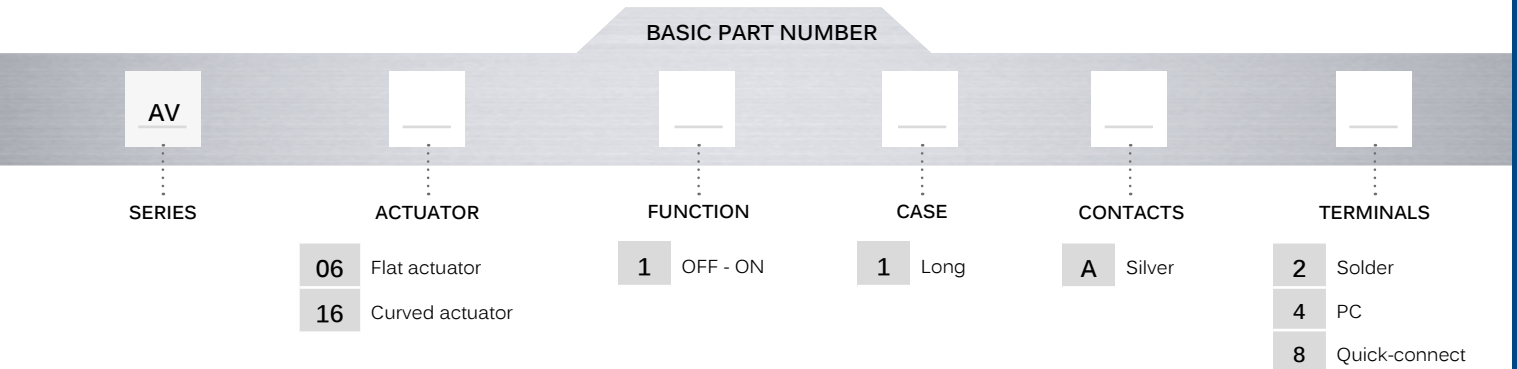


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## BUILD YOUR PART NUMBER



## 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 : 1 hex nut. Standard and special hardware is presented in the "Hardware" section of website.

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## FLAT OR CURVED ACTUATOR SOLDER LUG TERMINALS



Flat actuator  
**AV0611A2** OFF ON

Curved actuator  
**AV1611A2** OFF ON

## FLAT OR CURVED ACTUATOR - STRAIGHT PC OR QUICK-CONNECT TERMINALS



STRAIGHT PC TERMINALS

Flat actuator  
**AV0611A4** OFF ON

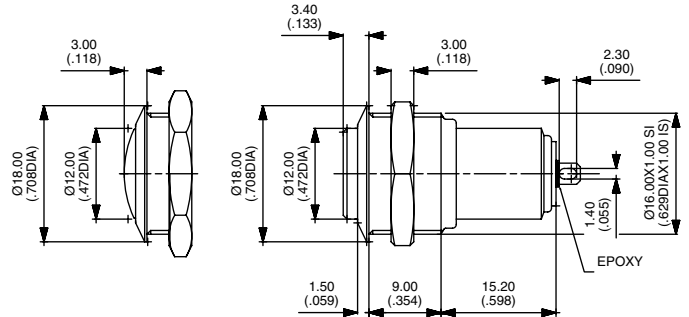
Curved actuator  
**AV1611A4** OFF ON

QUIK-CONNECT TERMINALS

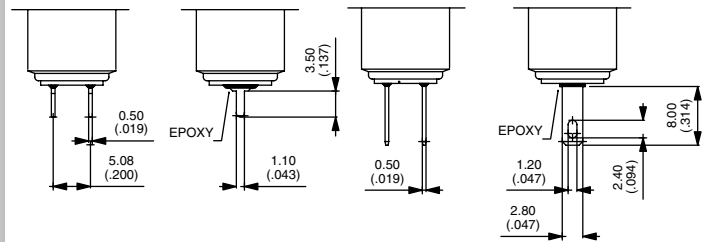
Flat actuator  
**AV0611A8** OFF ON

Curved actuator  
**AV1611A8** OFF ON

Hex nut 19 (.748) across flats



Hex nut 19 (.748) across flats



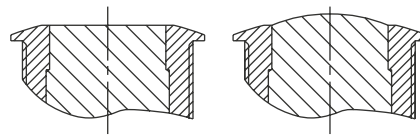
### BUSHING/ACTUATOR MATERIALS

BASIC P/N



### FLAT OR CURVED METAL ACTUATOR

CODE	BUSHING	ACTUATOR
00 (std)	Nickel plated brass	Nickel plated brass
10	Nickel plated brass	Stainless steel
40	Stainless steel	Stainless steel
70	Black chrome plated brass	Black chrome plated brass



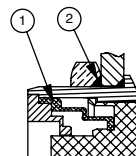
### SEALING

BASIC P/N



Blank No sealing  
 K Front panel sealing to IP65

### OPTION K



① - elastomeric membrane  
 ② - external gasket