

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.

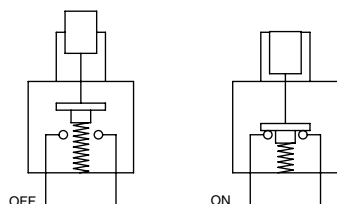


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ELECTRICAL FUNCTIONS



MOUNTING

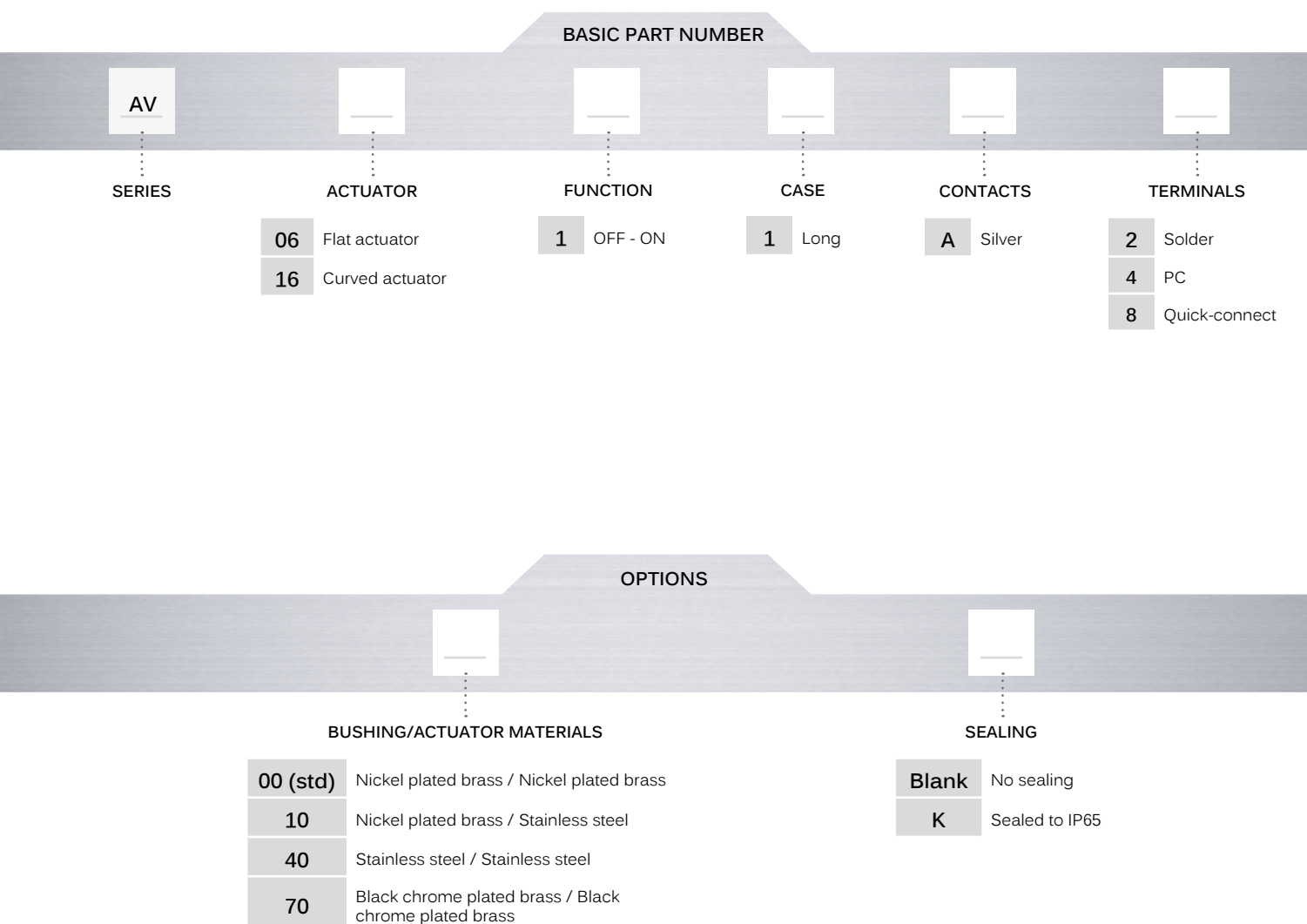
- Panel cut-out : Ø 16.2 mm (.637)
- Min. pitch for matrix mounting :
24 mm x 24 mm (.944 x .944)

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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.

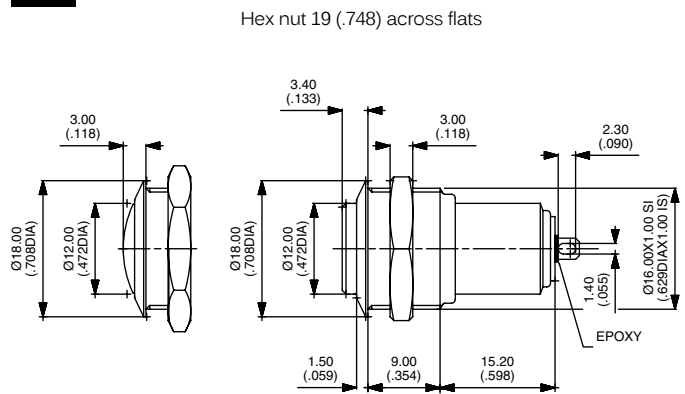
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FLAT OR CURVED ACTUATOR SOLDER LUG TERMINALS



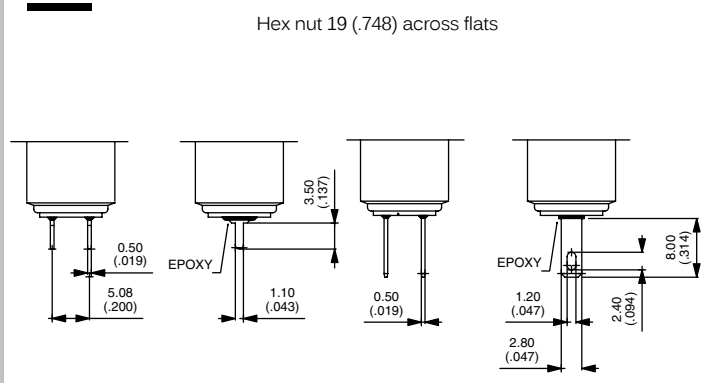
Flat actuator			
AV0611A2	OFF	ON	
Curved actuator			
AV1611A2	OFF	ON	



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



STRAIGHT PC TERMINALS			
Flat actuator			
AV0611A4	OFF	ON	
Curved actuator			
AV1611A4	OFF	ON	
QUICK-CONNECT TERMINALS			
Flat actuator			
AV0611A8	OFF	ON	
Curved actuator			
AV1611A8	OFF	ON	

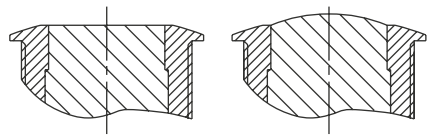


BUSHING/ACTUATOR MATERIALS

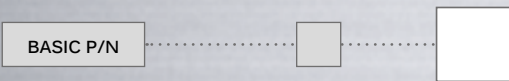


FLAT OR CURVED METAL ACTUATOR

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

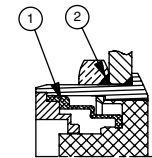


SEALING



Blank No sealing
K Front panel sealing to IP65

OPTION K



- ① - elastomeric membrane
- ② - external gasket

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem:](#)

[AV1611A200](#) [AV1611A410](#) [AV0611A800K](#)