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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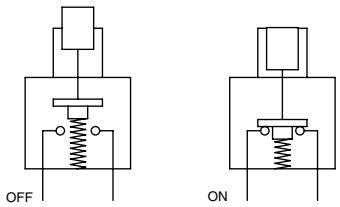
ELECTRICAL FUNCTIONS



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

BASIC PART NUMBER

AV _ _ _ _ _

SERIES

AV

ACTUATOR

06	Flat actuator
16	Curved actuator

FUNCTION

1	OFF - ON

CASE

1	Long

CONTACTS

A	Silver

TERMINALS

2	Solder
4	PC
8	Quick-connect

OPTIONS

_ _

BUSHING/ACTUATOR MATERIALS

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	Sealed to IP65

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



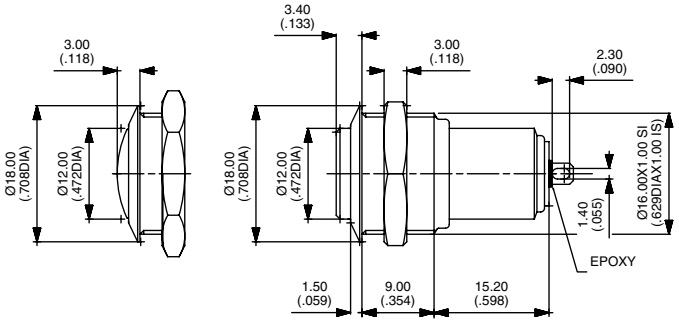
Flat actuator

AV0611A2	OFF	ON

Curved actuator

AV1611A2	OFF	ON

Hex nut 19 (.748) across flats



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

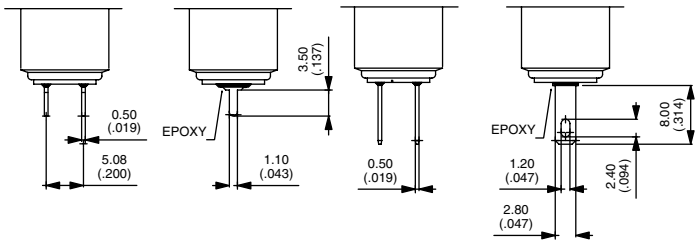
Flat actuator

AV0611A8	OFF	ON

Curved actuator

AV1611A8	OFF	ON

Hex nut 19 (.748) across flats

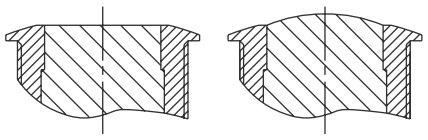


BUSHING/ACTUATOR MATERIALS

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

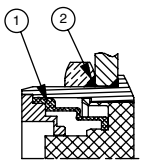


SEALING

BASIC P/N

Blank No sealing
K Front panel sealing to IP65

OPTION K



① - elastomeric membrane

② - external gasket