AV series

Snap action security pushbutton switches •
Ø 16 mm • momentary (NO)

DISTINCTIVE FEATURES

Momentary (NO)
Compact
Long life
Marking available

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 :
  200 mA 48 VDC - 100 mA 48 VDC
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1,000 MΩ min. at 500 VDC
- Dielectric strength : 2,000 Vrms 50 Hz min.
  between terminals and frame
- Electrical life : 50,000 cycles at 200 mA 48 VDC
  100,000 cycles at 100 mA 48 VDC

GENERAL SPECIFICATIONS

- **Travel : 1.60 mm** (.063) ± 0.3 mm (.011)
- Torque : 5 Nm min. - 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 6 mm (.236) max.
- Low level or mechanical life : 1,000,000 cycles

MATERIALS

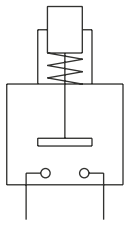
- Case : PBT
- Contacts : brass, silver plated (C)
- Bushing and actuator : see next page

The company reserves the right to change specifications without notice.

AV series

Snap action security pushbutton switches • Ø 16 mm • momentary (NO)

ELECTRICAL FUNCTIONS



Function 3 (NO)

MOUNTING

- Panel cut-out : Ø 16.2 mm (.637)
- Min. pitch for matrix mounting :
  24 mm x 24 mm (.944 x .944)
  (AV6P & AV6B : 20 mm x 20 mm)

AV series

Snap action security pushbutton switches • Ø 16 mm • momentary (NO)

BUILD YOUR PART NUMBER

BASIC PART NUMBER

SERIES	BUSHING/ACTUATOR CONFIGURATIONS	FUNCTION	CASE	CONTACTS	TERMINALS
AV					

BUSHING/ACTUATOR CONFIGURATIONS

06	Flat actuator
16	Curved actuator
08	Curved actuator + chamfer
07	Flat actuator + chamfer
6P	Flat actuator + knurled nut
6B	Curved actuator + knurled nut

FUNCTION

3	NO

CASE

0	Short

CONTACTS

C	Brass, silver plated

TERMINALS

9	Screw

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.

AV series

Snap action security pushbutton switches • Ø 16 mm • momentary (NO)

FLAT OR CURVED ACTUATOR SCREW TERMINALS

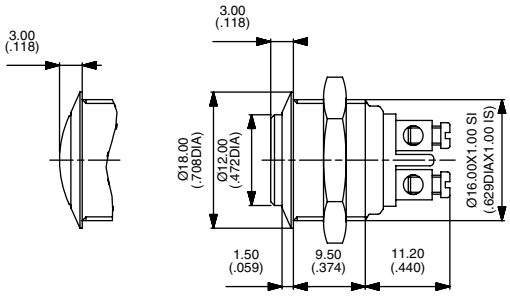
Flat actuator

AV0630C9

Curved actuator

AV1630C9

Hex nut 19 (.748) across flats



FLAT OR CURVED ACTUATOR WITH CHAMFER

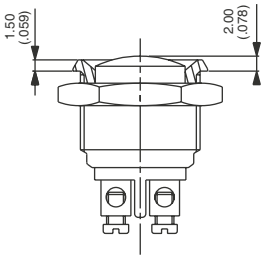
Flat actuator

AV0830C9

Curved actuator

AV0730C9

Hex nut 19 (.748) across flats



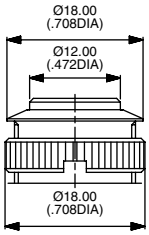
WITH KNURLED NUT FOR MATRIX MOUNTING 20 X 20 (.787X.787)

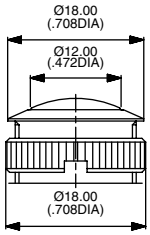
Flat actuator

AV6P30C9

Curved actuator

AV6B30C9





Wrench available under P/N **U1990.**

Screw terminals for wires 1,5 mm² max.

AV series

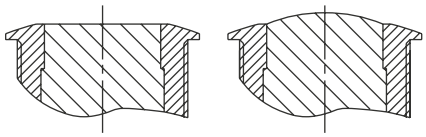
Snap action security pushbutton switches •
Ø 16 mm • momentary (NO)

BUSHING/ACTUATOR MATERIALS

BASIC P/N

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

FLAT OR CURVED METAL ACTUATOR

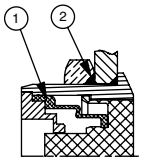


SEALING

BASIC P/N

Blank No sealing
K Front panel sealing to IP65

OPTION K



① - elastomeric membrane

② - external gasket