

# 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.

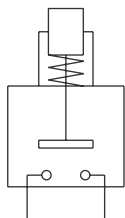


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## ELECTRICAL FUNCTIONS



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)

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## BUILD YOUR PART NUMBER

| SERIES |  | BUSHING/ACTUATOR CONFIGURATIONS                                                                                                                                                                                      |  | FUNCTION    |  | CASE           |  | CONTACTS                      |  | TERMINALS      |  |
|--------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|----------------|--|-------------------------------|--|----------------|--|
| AV     |  |                                                                                                                                                                                                                      |  |             |  |                |  |                               |  |                |  |
|        |  | <b>06</b> Flat actuator<br><b>16</b> Curved actuator<br><b>08</b> Curved actuator + chamfer<br><b>07</b> Flat actuator + chamfer<br><b>6P</b> Flat actuator + knurled nut<br><b>6B</b> Curved actuator + knurled nut |  | <b>3</b> NO |  | <b>0</b> Short |  | <b>C</b> Brass, silver plated |  | <b>9</b> Screw |  |

| BUSHING/ACTUATOR MATERIALS                                                                                                                                                                                                     |  | SEALING                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|
| <b>00 (std)</b> Nickel plated brass / Nickel plated brass<br><b>10</b> Nickel plated brass / Stainless steel<br><b>40</b> Stainless steel / Stainless steel<br><b>70</b> Black chrome plated brass / Black chrome plated brass |  | <b>Blank</b> No sealing<br><b>K</b> 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 SCREW TERMINALS



Flat actuator

AV0630C9



Curved actuator

AV1630C9



## FLAT OR CURVED ACTUATOR WITH CHAMFER



Flat actuator

AV0830C9



Curved actuator

AV0730C9



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



Flat actuator

AV6P30C9



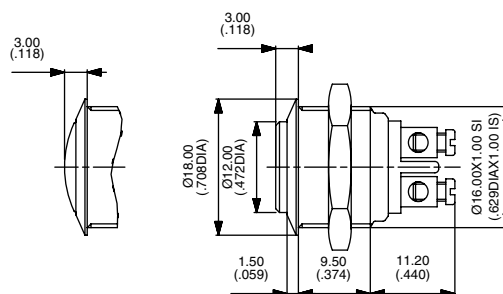
Curved actuator

AV6B30C9

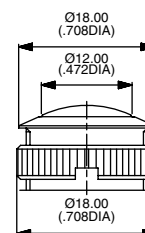
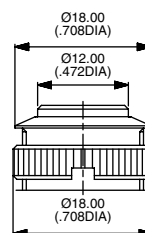
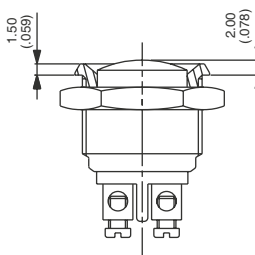


Screw terminals for wires 1,5 mm<sup>2</sup> max.

Hex nut 19 (.748) across flats



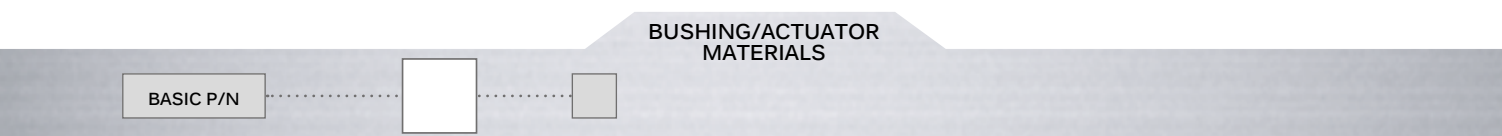
Hex nut 19 (.748) across flats



Wrench available under P/N U1990.

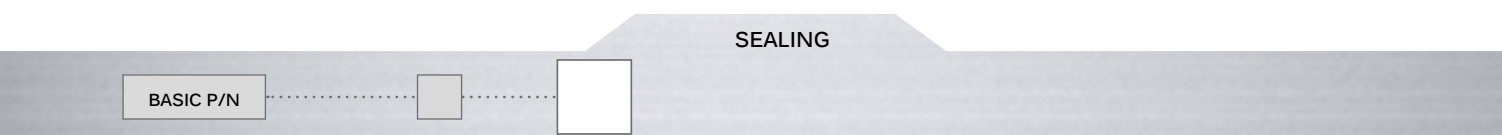
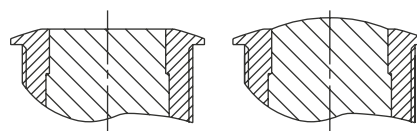
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| CODE     | BUSHING                   | ACTUATOR                  |
|----------|---------------------------|---------------------------|
| 00 (std) | Nickel plated brass       | Nickel plated brass       |
| 10       | Nickel plated brass       |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

FLAT OR CURVED METAL ACTUATOR



**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:

[AV099035D200](#) [AV199035D200](#) [AV29401ZBEK](#) [AV199035D200K](#) [AV031003C940K](#) [AV044746A240](#)  
[AV091003C240T](#) [AV091003C980K](#) [AV09C703D240E](#) [AV09C703D240K](#) [AV09C7L3D2001](#) [AV09C7L3D2001K](#)  
[AV09C7L3D2003E](#) [AV09C7L3D2403](#) [AV09C7L3D2403E](#) [AV09C7L3D2406](#) [AV09C7L3D2406K](#) [AV09C7L3D2806](#)  
[AV09C7L3D9001](#) [AV09C7L3D9005](#) [AV09C7L3D9006](#) [AV1611A200](#) [AV191003C240T](#) [AV191003C940R](#)  
[AV199035D200E](#) [AV199035D240K](#) [AV19LB207](#) [AV19LB407](#) [AV19LP207](#) [AV19LP407](#) [AV22LC132](#) [AV22LC164](#)  
[AV22LC404](#) [AV22LP164](#) [AV24LB401](#) [AV24LB403](#) [AV24LC402](#) [AV3SLD2082002K](#) [AV9D1003C240T](#)  
[AV9SLD2011001](#) [AV9SLD2081002](#) [AV9SLD2782002](#) [AV9SLD4077001K](#) [AV9SLD4087001K](#) [AV9SLD4481002K](#)  
[AV9SLD4777001K](#) [AV9SLD4987002K](#) [AVY91003D240T](#) [AV02810KMZQ](#) [AV02820KMZQ](#) [AV49PB13P2Y1ZBE6P](#)  
[AV031003C240N](#) [AV031003C940T](#) [AV031202C000](#) [AV044746A200](#) [AV044746A200K](#) [AV091003C240N](#)  
[AV091003C940T](#) [AV09C7L3D2002](#) [AV09C7L3D2002K](#) [AV09C7L3D2003](#) [AV09C7L3D2003K](#) [AV09C7L3D2005](#)  
[AV1630C900](#) [AV191003C240N](#) [AV191003C940T](#) [AV22LB402](#) [AV22LB404](#) [AV22LC162](#) [AV22LC402](#) [AV22LC40A](#)  
[AV22LC40B](#) [AV22LC46B](#) [AV22LP404](#) [AV22PNA24](#) [AV22PNA32](#) [AV22PNA3A](#) [AV22PNA44](#) [AV22PNA52](#)  
[AV22PNA64](#) [AV24LB402](#) [AV24LB404](#) [AV24LB40B](#) [AV24LC404](#) [AV24LP404](#) [AV9D1003C940N](#) [AV9P1003C900](#)  
[AV02820KMZQKUL](#) [AV49810KMZQ6](#) [AV030003A940T](#) [AV031L3EA240K](#) [AV0611A200K](#) [AV49820KMZQEKUL6](#)  
[AV9SLD2081011](#)