# AV series

Mushroom head security pushbutton switches •
Ø 22 mm • momentary NC+NO



## DISTINCTIVE FEATURES

**Large mushroom head actuator**
**Momentary NC+NO**
**Anodized actuators**
**Long life**
**Sealed to IP65**

## ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing : IP65 according to IEC 60529
- Operating temperature : -20 °C to +55 °C (-4 °F to +131 °F)




## ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load : 5 A 250 VAC
- Initial contact resistance : 100 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 : 1,000,000 cycles at 1 A 250 VAC - 50.000 cycles at full load

## GENERAL SPECIFICATIONS

- Torque : 1.5 Nm min. - 4 Nm max. applied to nut
- Panel thickness : 1 (.039) to 6 mm (.236) max.
- Low level or mechanical life : 1,000,000 cycles
- Hand soldering : 300°C (572 °F), 5 sec. max.

## MATERIALS

- Case : polyester, glass filled
- Contacts : silver/nickel alloy
- Bushing : brass, nickel plated
- Actuator : aluminium, anodized

The company reserves the right to change specifications without notice.

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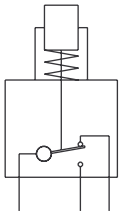
## ELECTRICAL FUNCTIONS



Combined NC+NO

## MOUNTING

- Panel cut-out : Ø 22.2 mm (.874)
- Min. pitch for matrix mounting : 30 mm x 30 mm (1.181x1.181)

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## BUILD YOUR PART NUMBER

**BASIC PART NUMBER**

AV _ _ _ _ _ _

**SERIES**

**BUSHING DIAMETER**

| | |
|---|---|
| 22 | 22 (.866) |

**ACTUATOR DIAMETER**

| | |
|---|---|
| P | 30 (1.181) |

**BUSHING CONFIGURATION**

| | |
|---|---|
| N | Nickel plated brass |
| I | Stainless steel |

**ACTUATOR CONFIGURATION**

| | |
|---|---|
| N | Nickel plated brass |
| I | Stainless steel |
| A | Anodized |

**OPTIONS**

Actuator colors : see below.

**TERMINALS**

| | |
|---|---|
| 4 | Quick-connect |
| 2 | Solder lug |

**OPTIONS**

_ _

**ACTUATOR ANODIZATION COLORS**

| | |
|---|---|
| 1 | Blue |
| 2 | Black |
| 3 | Pale green |
| 3F | Dark green |
| 4 | Natural |
| 5 | Gold yellow |
| 6 | Red |

**SEALING**

| | |
|---|---|
| Blank | 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.

**Mounting accessories:** standard hardware supplied : 1 hex nut and 1 O-ring. Standard and special hardware is presented in the "Hardware" section of website.

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### MUSHROOM HEAD ACTUATOR - NICKEL PLATED BUSHING - ANODIZED ACTUATOR



Quick-connect terminals

AV22PNA•4



Solder lug terminals

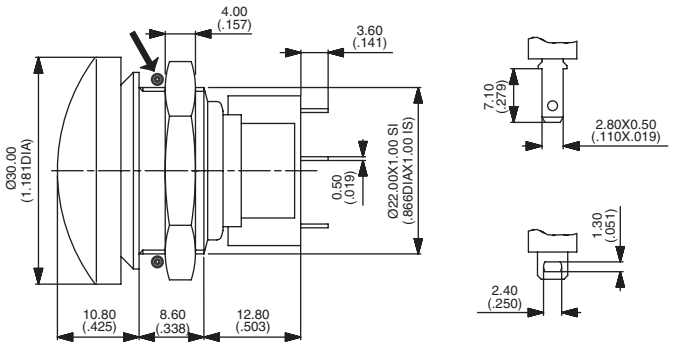
AV22PNA•2



Also available with stainless steel bushing (I) and nickel plated (N) or stainless steel (I) actuator.

O-RING

Hex nut 25 (.984) across flats




BASIC P/N

ACTUATOR ANODIZATION COLORS

| | |
|---|---|
| 1 | Blue |
| 2 | Black |
| 3 | Pale green |
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