AV series

Security pushbutton switches • Ø 22 or 24 mm • with large actuator • momentary NC+NO



DISTINCTIVE FEATURES

Large actuator
Low profile option
Momentary (combined NC+NO)
Anodized actuators
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 (microswitch) : 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
  100,000 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 and actuator : see next page.

The company reserves the right to change specifications without notice.

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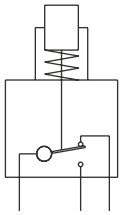
ELECTRICAL FUNCTIONS



Combined NC+NO

MOUNTING

- Panel cut-out : Ø 22.2 mm (.874) or Ø 24.2 mm (.952)
- Min. pitch for matrix mounting : 30 mm x 30 mm (1.181x1.181) or 33 mm x 33 mm (1.299x1.299)

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BUILD YOUR PART NUMBER

BASIC PART NUMBER

AV	___	L	___	___	___
SERIES	BUSHING DIAMETERS	BUSHING/ACTUATOR CONFIGURATION	ACTUATOR STYLES	OPTIONS	TERMINALS

BUSHING DIAMETERS

22	22 (.866)
24	24 (.944)

ACTUATOR STYLES

P	Flat
B	Curved
C	Recessed

OPTIONS

Bushing/actuator materials : see below.

TERMINALS

4	Quick-connect
2	Solder lug

OPTIONS

___	___	___
BUSHING/ACTUATOR MATERIALS	ACTUATOR COLORS	SEALING

BUSHING/ACTUATOR MATERIALS

Models wih non-anodized actuator

40 (std)	Stainless steel / Stainless steel
20	Chrome plated brass / Chrome plated brass

Models with anodized actuator

1•	Black chrome plated brass
2•	Chrome plated brass
4•	Stainless steel

• Colors, see table opposite.

ACTUATOR COLORS

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

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.

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 and 1 O-ring. Standard and special hardware is presented in the "Hardware" section of website.

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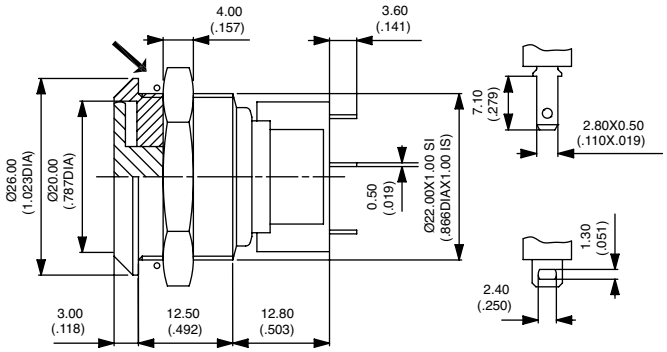
BUSHING Ø 22 (.866) - FLAT ACTUATOR



Quick-connect terminals
AV22LP••4

Solder lug terminals
AV22LP••2

→ O-RING Hex nut 25 (.984) across flats



BUSHING Ø 22 (.866) - CURVED OR RECESSED ACTUATOR



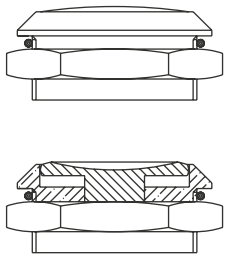
CURVED ACTUATOR
Quick-connect terminals
AV22LB••4

Solder lug terminals
AV22LB••2

RECESSED ACTUATOR
Quick-connect terminals
AV22LC••4

Solder lug terminals
AV22LC••2

→ O-RING Hex nut 25 (.984) across flats



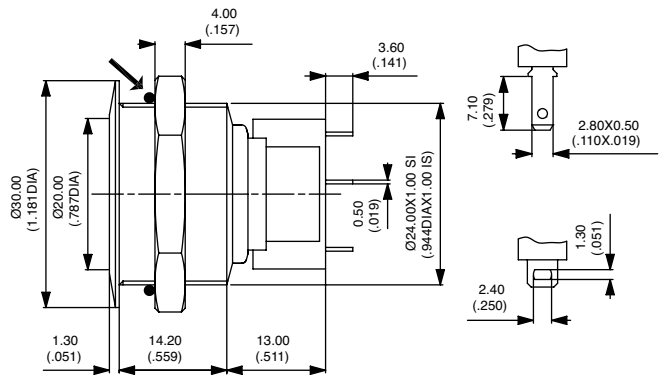
BUSHING Ø 24 (.944) - FLAT ACTUATOR LOW PROFILE



Quick-connect terminals
AV24LP••4

Solder lug terminals
AV24LP••2

→ O-RING Hex nut 27 (1.062) across flats



BUSHING Ø 24 (.944) - CURVED OR RECESSED ACTUATOR - LOW PROFILE



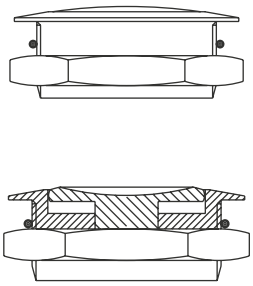
CURVED ACTUATOR
Quick-connect terminals
AV24LB••4

Solder lug terminals
AV24LB••2

RECESSED ACTUATOR
Quick-connect terminals
AV24LC••4

Solder lug terminals
AV24LC••2

→ O-RING Hex nut 27 (1.062) across flats



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BUSHING/ACTUATOR MATERIALS

BASIC P/N

MODELS WITH NON-ANODIZED ACTUATOR		
CODE	BUSHING	ACTUATOR
40 (std)	Stainless steel	Stainless steel
20	Chrome plated brass	Chrome plated brass

MODELS WITH ANODIZED ACTUATOR		
CODE	BUSHING	ACTUATOR
1•	Black chrome plated brass	Replace • with one of the following codes : **1** : blue - **2** : black - **3** : pale green - **3F** : dark green- **4** : natural - **5** : gold yellow - **6** : red - **6B** : marron
2•	Chrome plated brass	
4•	Stainless steel	