

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.

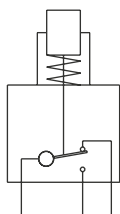


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ELECTRICAL FUNCTIONS



Combined NC+NO



MOUNTING

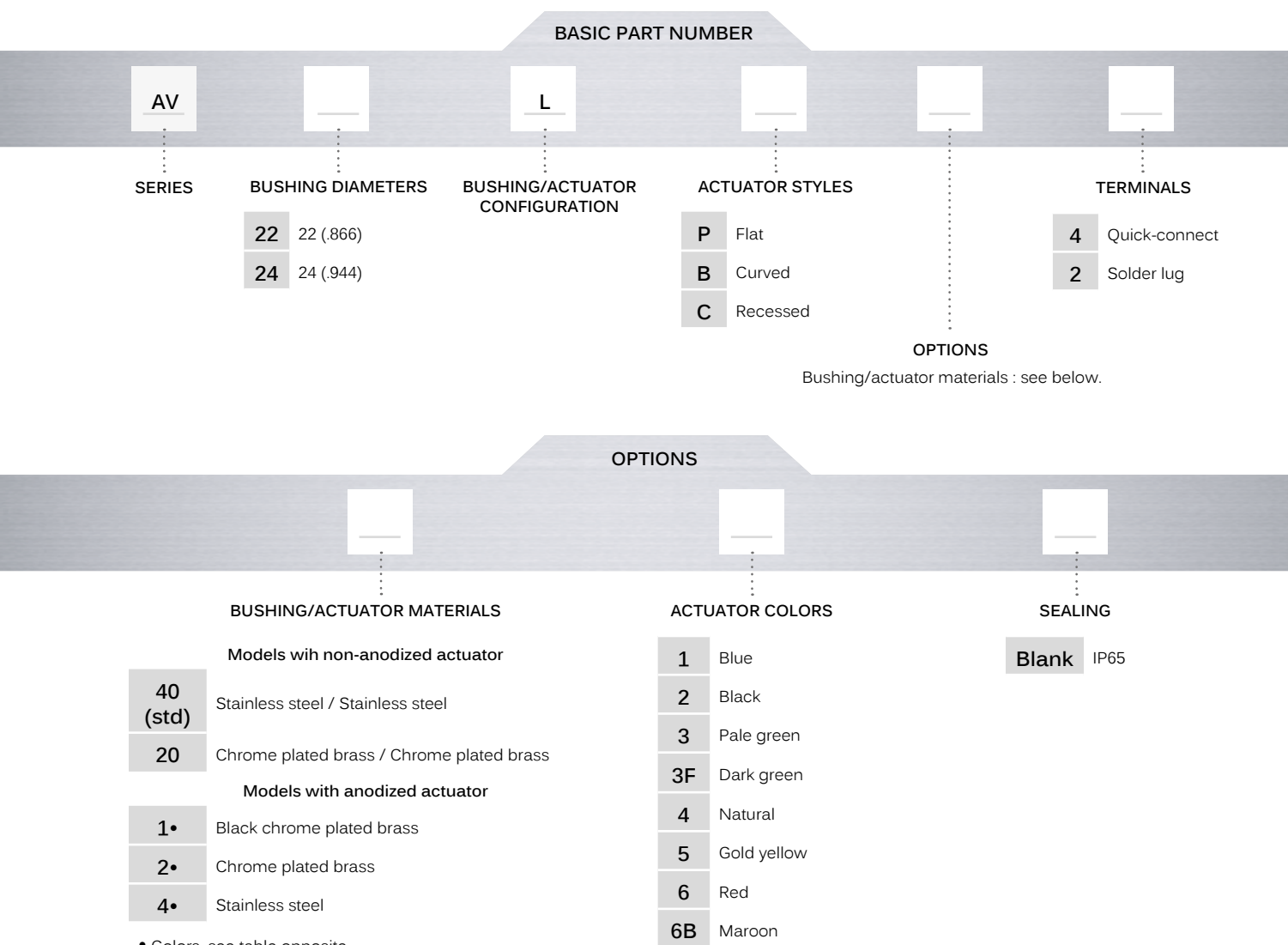
- Panel cut-out : Ø 22.2 mm (.874) or Ø 24.2 mm (.952)
- Min. pitch for matrix mounting :
 30 mm x 30 mm (1.181x1.181)
 or 33 mm x 33 mm (1.299x1.299)

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BUILD YOUR PART NUMBER



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



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



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



Quick-connect terminals

AV24LP••4



Solder lug terminals

AV24LP••2



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



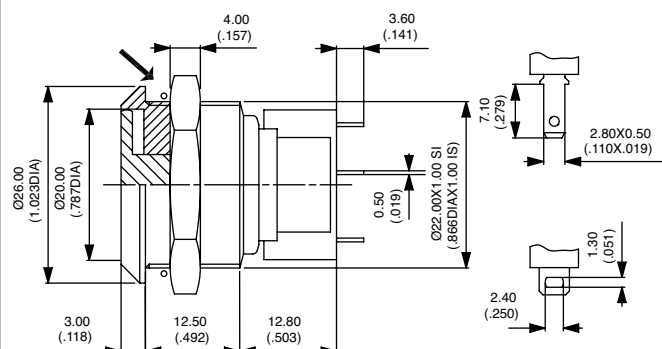
Solder lug terminals

AV24LC••2



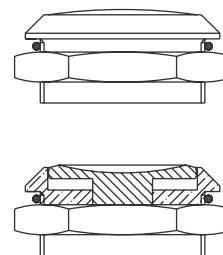
→ O-RING

Hex nut 25 (.984) across flats



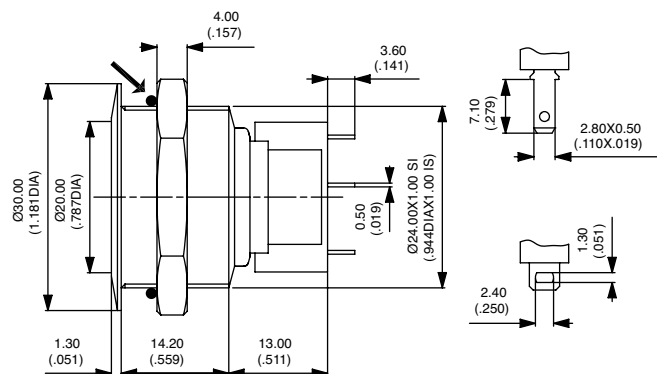
→ O-RING

Hex nut 25 (.984) across flats



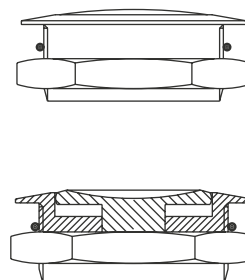
→ O-RING

Hex nut 27 (1.062) across flats



→ 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	