



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 : 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
- 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.

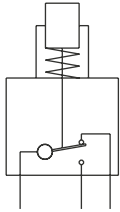


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ELECTRICAL FUNCTIONS



Combined NC+NO



MOUNTING

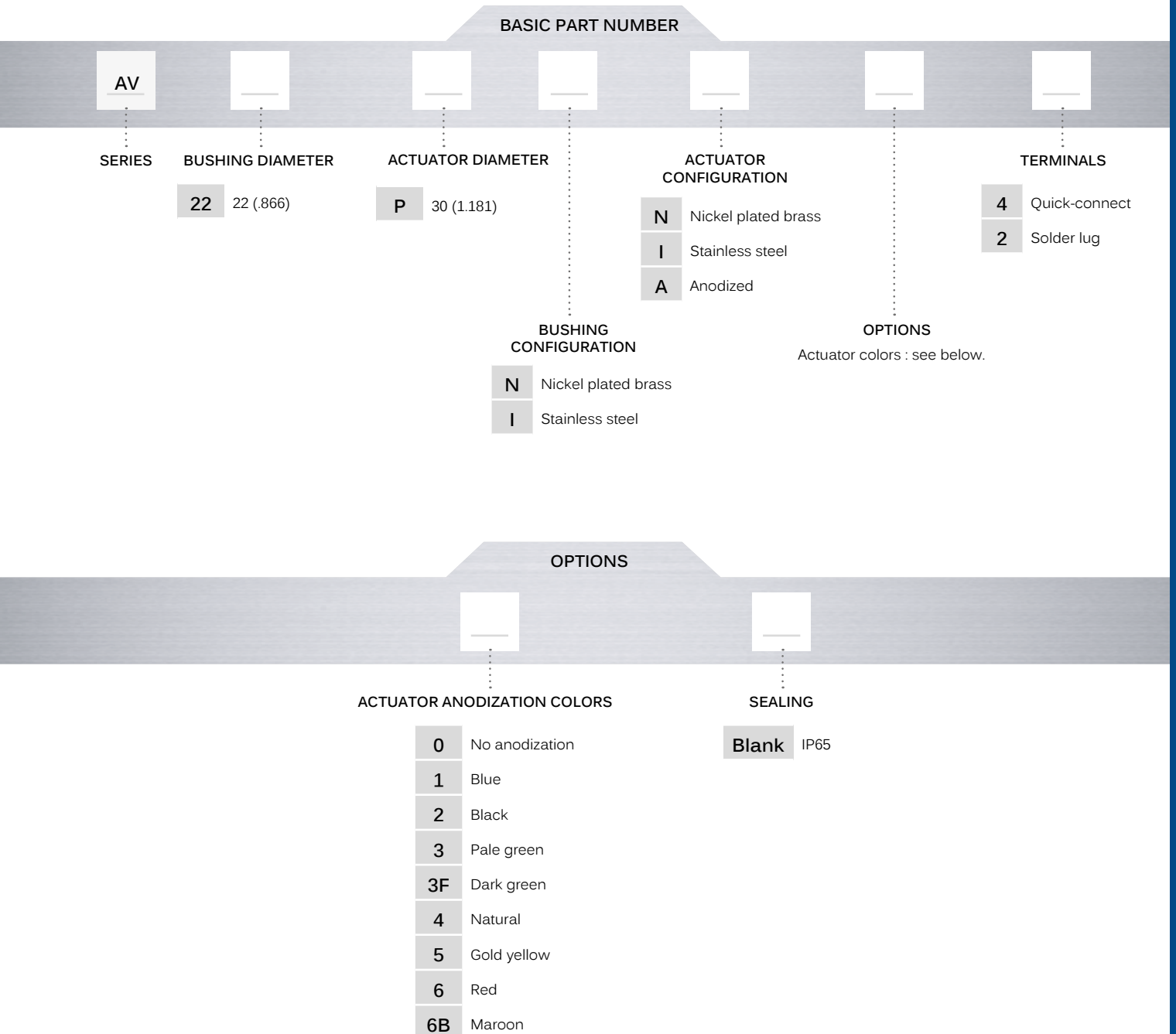
- Panel cut-out : Ø 22.2 mm (.874)
- Min. pitch for matrix mounting : 30 mm x 30 mm (1.181x1.181)

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BUILD YOUR PART NUMBER



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



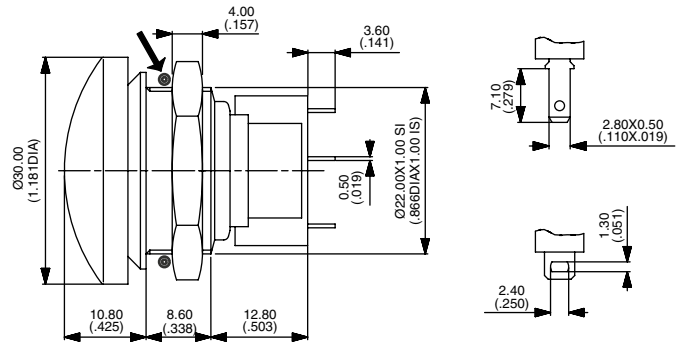
Solder lug terminals

AV22PNA•2



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

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



ACTUATOR ANODIZATION COLORS

BASIC P/N

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