

AV series

Security pushbutton switches suitable for 250 VAC • approved according to EN 61058-1



DISTINCTIVE FEATURES

Mains switches approved to EN61058-1

Ø 16 (.629), 19 (.748) and 22 mm (.866)

Latching

Three terminal types



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 : 1 A 250 VAC
- 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
500 Vrms 50 Hz between terminals and frame
- Electrical life : 10,000 cycles at 1 A 250 VAC



GENERAL SPECIFICATIONS

- Torque : 1.5 Nm min. - 4 Nm max. applied to nut
- Panel thickness :
Ø 16 : 1 (.039) to 6 mm (.236) max.
Ø 19 and Ø 22 : 1 (.039) to 9 mm (.354) max.
- Low level or mechanical life : 200,000 cycles
- Hand soldering : 300 °C (572 °F), 4 sec. max.



MATERIALS

- Case : PA4-6, UL94-V0
- Contacts : silver (A)
- Bushing & actuator : see following pages

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

The company reserves the right to change specifications without notice.



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AGENCY APPROVAL



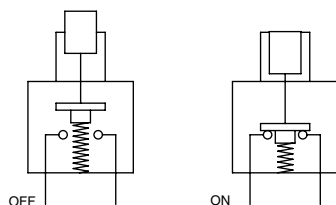
EN61058-1 1A 250 VAC
All models



marked



ELECTRICAL FUNCTIONS



PANEL MOUNTING

- Panel cut-out :
Ø 16.2 mm (.755)
Ø 19.2 mm (.755)
or Ø 22.2 mm (.874)

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BUILD YOUR PART NUMBER

BASIC PART NUMBER					
AV					
SERIES	ACTUATOR TYPES	MODEL	FUNCTION	CONTACTS	TERMINALS
	06 Ø 16 (.629), flat 09 Ø 19 (.748), flat 03 Ø 22 (.866), flat 16 Ø 16 (.629), curved 19 Ø 19 (.748), curved 02 Ø 22 (.866), curved	100	1 OFF-ON	A Silver	2 Solder 4 PC 8 Quick-connect
OPTIONS					
BUSHING/ACTUATOR MATERIALS			SEALING		
00 (std) Nickel plated brass / Nickel plated brass 10 Nickel plated brass / Stainless steel 40 Stainless steel / Stainless steel			Blank No sealing K 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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Ø 16 (.629) - FLAT OR CURVED ACTUATOR SOLDER LUG TERMINALS



Flat actuator			
AV061001A2	OFF	ON	
Curved actuator			
AV161001A2	OFF	ON	

Product shown in OFF position.

Ø 19 (.748) - FLAT OR CURVED ACTUATOR SOLDER LUG TERMINALS



Flat actuator			
AV091001A2	OFF	ON	
Curved actuator			
AV191001A2	OFF	ON	

Product shown in OFF position.

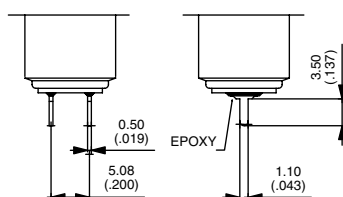
Ø 22 (.866) - FLAT OR CURVED ACTUATOR SOLDER LUG TERMINALS



Flat actuator			
AV031001A2	OFF	ON	
Curved actuator			
AV021001A2	OFF	ON	

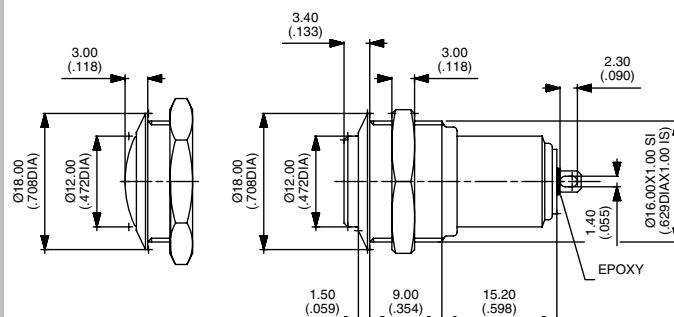
Product shown in OFF position.

STRAIGHT PC TERMINALS

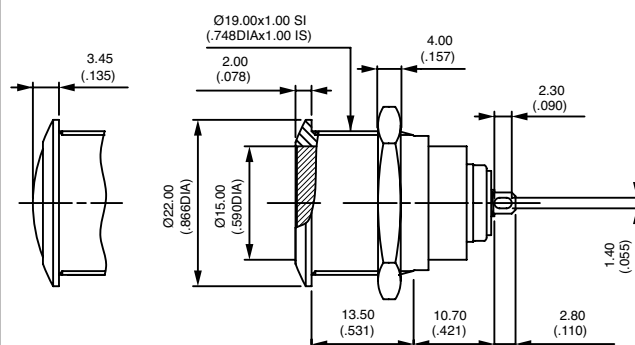


Replace 2 with 4 at the end of the model numbers shown above.

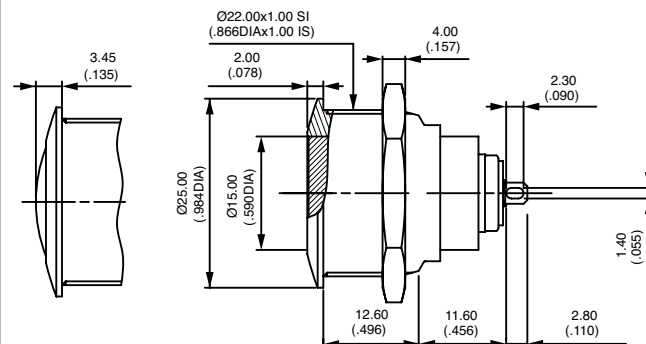
Hex nut 19 (.748) across flats



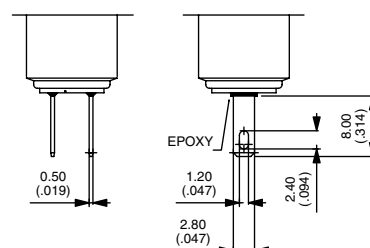
Hex nut 22 (.866) across flats



Hex nut 25 (.984) across flats



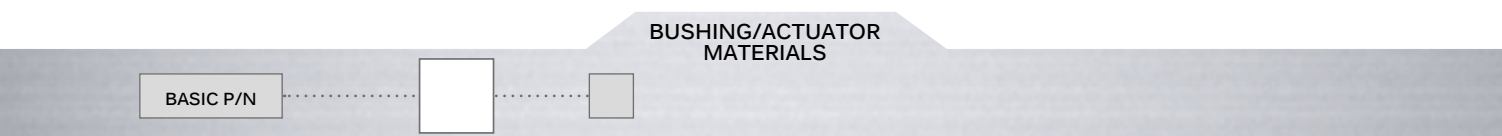
QUICK-CONNECT TERMINALS



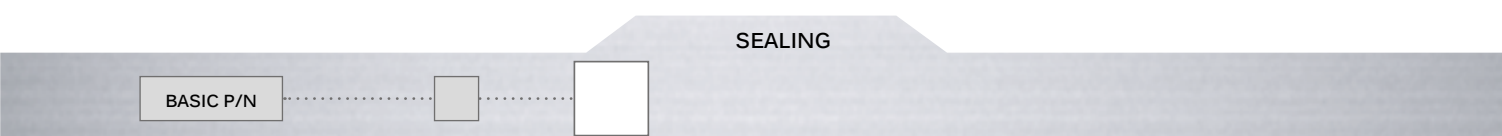
Replace 2 with 8 at the end of the model numbers shown above.

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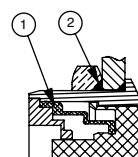


CODE	BUSHING	ACTUATOR
00 (std)	Nickel plated brass	Nickel plated brass
10	Nickel plated brass	Stainless steel
40	Stainless steel	Stainless steel



Blank No sealing
K Front panel sealing to IP65

OPTION K



- ① - elastomeric membrane
- ② - external gasket