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 : 5 Nm min. - 14 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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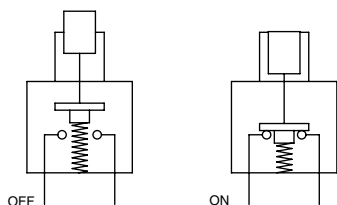for 250 VAC • approved according to EN 61058-1

AGENCY APPROVAL

NF EN61058-1 1A 250 VAC
All models

CE marked

⚡ ELECTRICAL FUNCTIONS
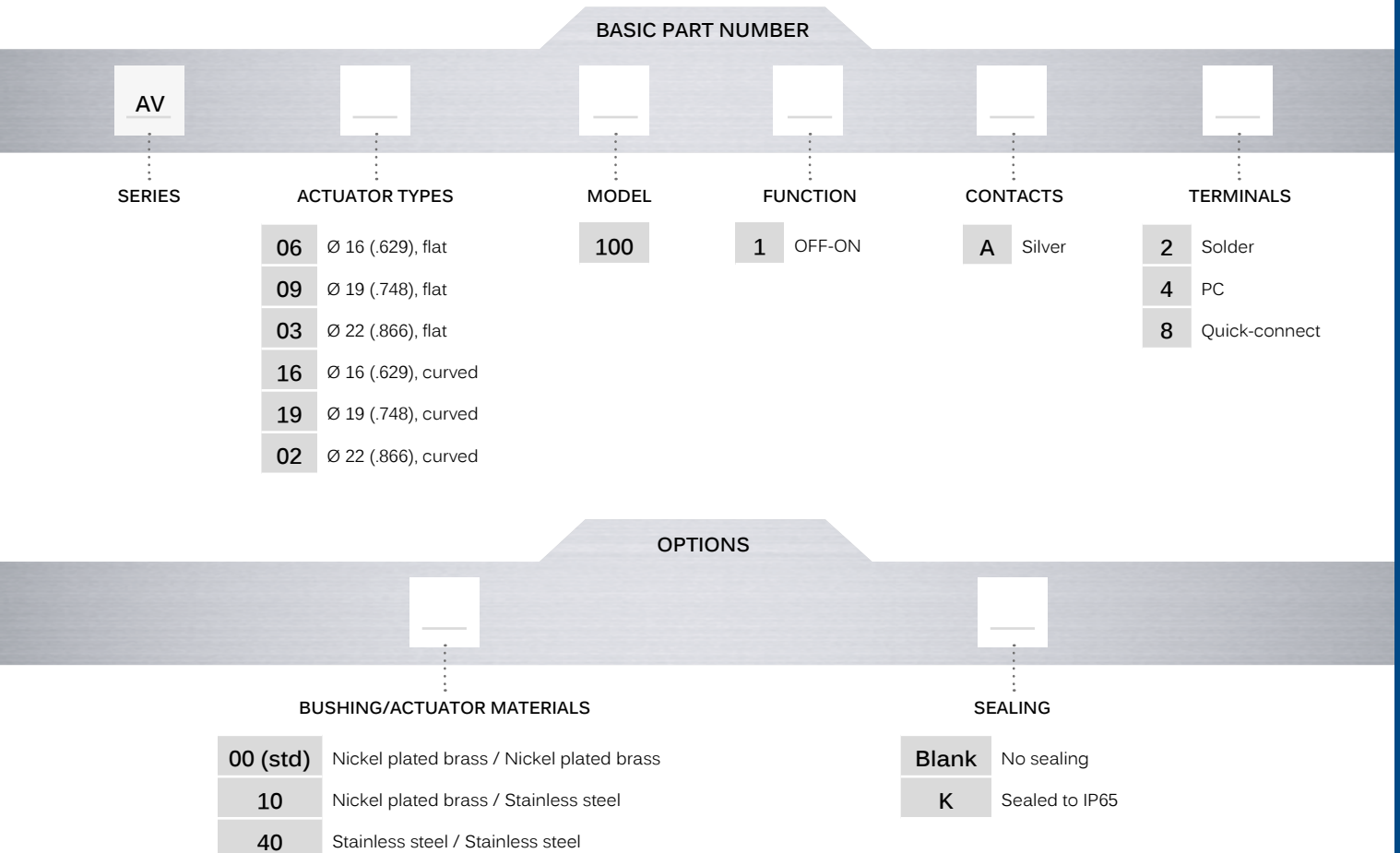

OFF   ON

🪛 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

ACTUATOR TYPES

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

MODEL

| 100 | |

FUNCTION

| 1 | OFF-ON |

CONTACTS

| A | Silver |

TERMINALS

2	Solder
4	PC
8	Quick-connect

OPTIONS

BUSHING/ACTUATOR MATERIALS

00 (std)	Nickel plated brass / Nickel plated brass
10	Nickel plated brass / Stainless steel
40	Stainless steel / Stainless steel

SEALING

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
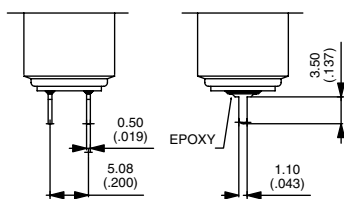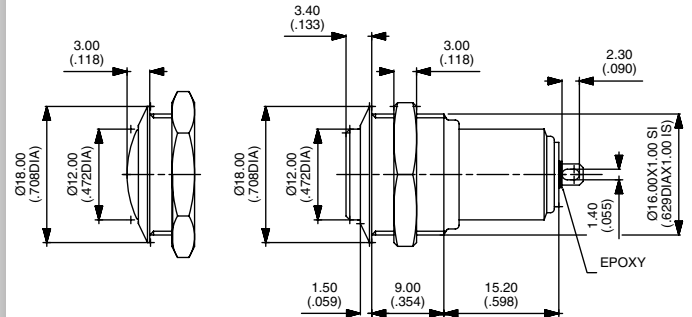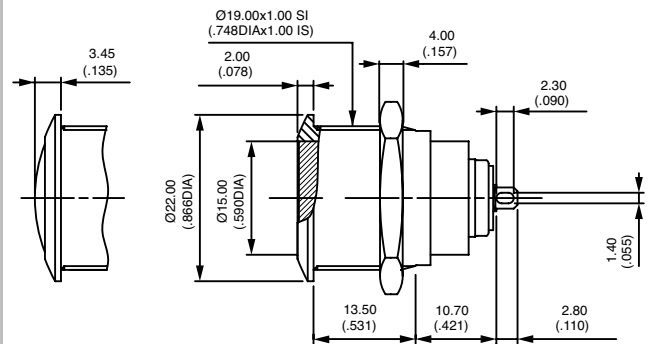**AV191001A2**   OFF   ON

Product shown in OFF position.

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

Flat actuator
AV031001A2   OFF   ON

Curved actuator
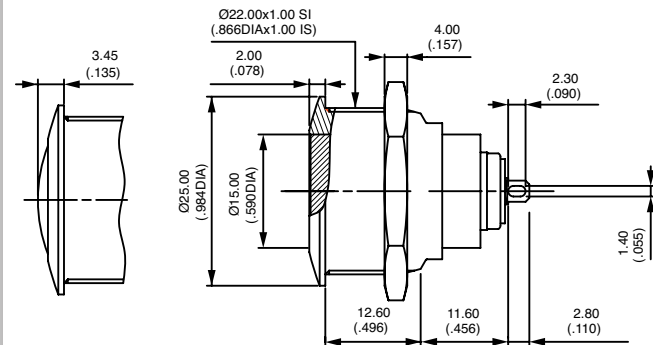**AV021001A2**   OFF   ON

Product shown in OFF position.
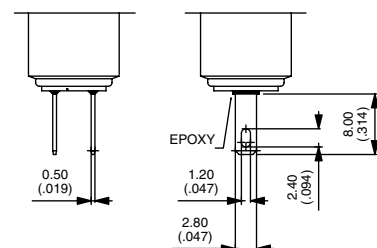
Hex nut 19 (.748) across flats

Hex nut 22 (.866) across flats

Hex nut 25 (.984) across flats

STRAIGHT PC TERMINALS

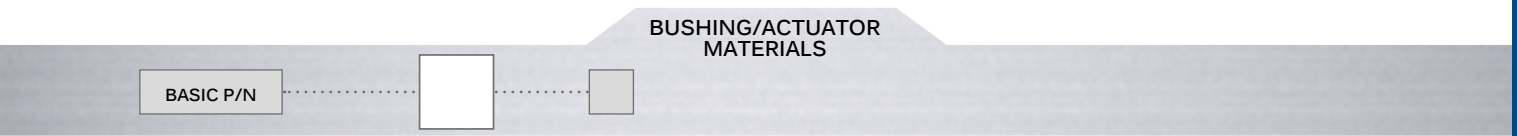Replace 2 with **4** at the end of the model numbers shown above.
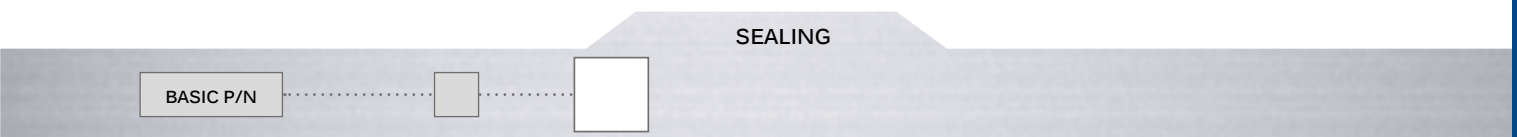
QUICK-CONNECT TERMINALS

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

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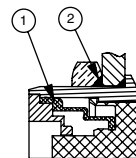for 250 VAC • approved according to EN 61058-1

BUSHING/ACTUATOR MATERIALS

BASIC P/N

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

SEALING

BASIC P/N

Blank No sealing
K Front panel sealing to IP65

OPTION K

① - elastomeric membrane

② - external gasket

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Click to view products by Apem *manufacturer:*

Other Similar products are found below :

8940K2012 LW1L-M1C10V-A LW1L-M1C70-A LW2L-A1C20M-GD LW2L-M1C20M-A 60324L M22-D-R-GB0/K11 M7E-HRN2 67021K512 67081K512X 701PB580 7190K101 7199K101 810K12910 810KSV30B MML21EA2ADK MML21KA3ABK MML23KA3AC05K-001 MML23KW3AA01W 8418K2 8442K3 8450K1 860K11911T01A 861901 861K11911T01A07 861K13810T00A14 861K13911 8646AB6X718UL 8646ABUL 9001KXRK 907AYY100 PMHD155A1 95-313.000 9533CD4+U574+U4922 95-414.000 99-450.837 99-453.837 PV3H2B0NN-341 1203MRA A22NZBGANGA A22NZBMMNGA A22NZBNANGA A22NZMPATRA A2PMA1X03EC56 A3A-5123-02 A3A-7140 A3A-7310 A3A-7340 A3U-TMW-A2C-5M A595