

AV SERIES PUSHBUTTON SWITCHES

Distinctive features

- ☐ **Attractive, robust and durable**
 - Irremovable
 - Anti-jamming construction : reduced travel to prevent insertion of foreign parts
 - Contact and mechanism protected against crushing
 - Fire resistant
 - Long life
- ☐ **Sealed versions**
- ☐ **Degrees of protection (switches mounted on vertical panels) :**
 - standard version : IP54
 - sealed version : IP65

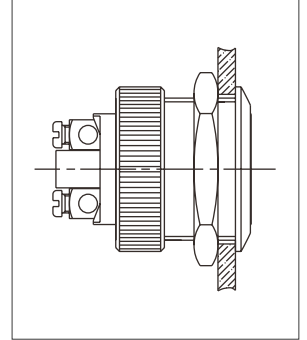


Table explaining degrees of protection (IP and IK codes)

The degree of protection is indicated by 2 letters and 2 numbers.

Example : I P 6 5



IP•• degree of protection provided by the enclosures of electric appliances according to IEC 529 and DIN 40050.

IK•• degree of protection provided by the enclosures of electric appliances against external mechanical impacts according to EN 50102 (NFC 20-015).

1st number : protection against ingress of solid objects		
IP	tests	
0		Non-protected
1		Protected against solid objects of 50 mm (1.968) and greater
2		Protected against solid objects of 12,5 mm (.492) and greater
3		Protected against solid objects of 2,5 mm (.098) and greater
4		Protected against solid objects of 1 mm (.039) and greater
5		Dust-protected (no harmful ingress)
6		Dust-tight (no ingress)

2nd number : protection against liquids		
IP	tests	
0		Non-protected
1		Protected against vertically falling water drops
2		Protected against vertically falling water drops when enclosure tilted up to 15°
3		Protected against water sprayed vertically at an angle up to 60°
4		Protected against splashing water
5		Protected against water jets from any direction

IK code : mechanical protection
The degree of mechanical protection is now defined by the letters IK according to EN 50102 of June 1995 (NFC 20-015) It is only applicable to the "Anti-vandal" switch family. See following pages.



Packaging unit : 20 or 40 pieces depending on models, except AV..4700 (10 pieces), AV06 (60 pieces), AV22P, AV22L and AV24L with anodised plunger (16 pieces).



Mounting accessories : Standard and special hardware are presented in section N.

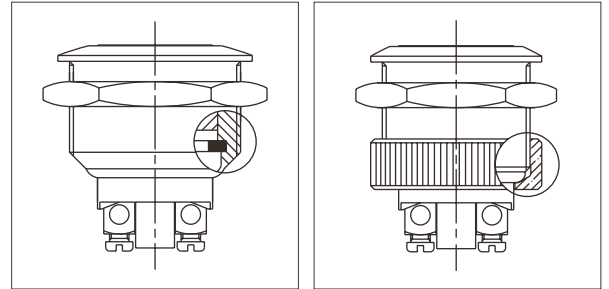
AV SERIES PUSHBUTTON SWITCHES

Distinctive features

The AV series is a large range of security pushbutton switches including 4 product families :

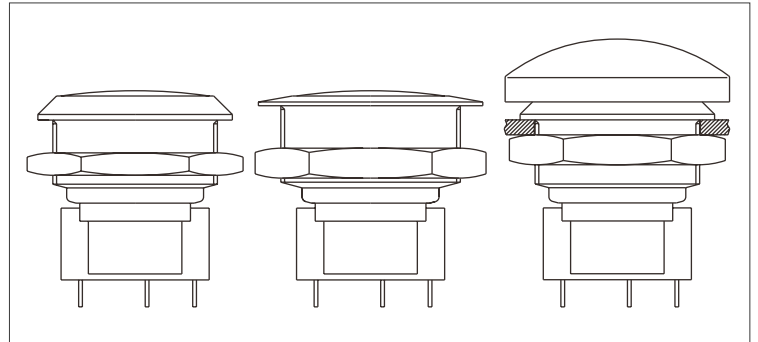
ANTI-VANDAL PUSHBUTTON SWITCHES (page K-4)

- Increased impact resistance provided by a nut or mechanical stop
- Stainless steel actuator and bushing



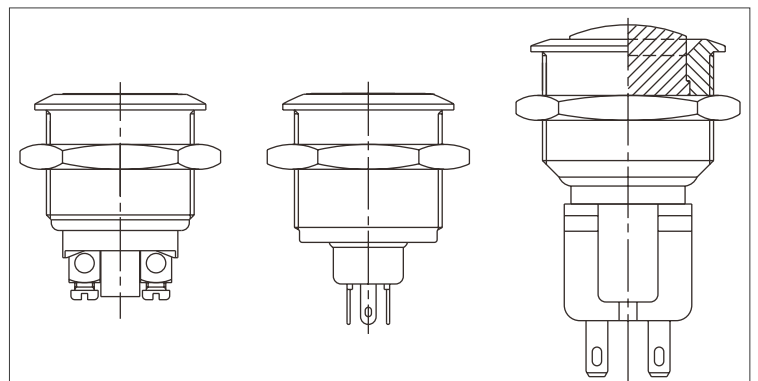
SECURITY PUSHBUTTON SWITCHES WITH LARGE ACTUATOR (page K-7)

- Ergonomic actuator dia. 20 mm (.787) or 30 mm (1.181)
- Tactile feedback
- Up to 5A 250VAC



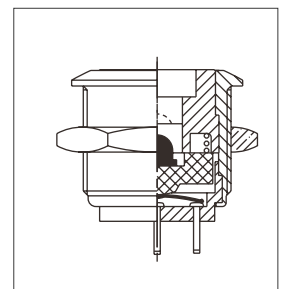
OTHER SECURITY PUSHBUTTON SWITCHES (page K-10)

- A large variety of actuator shapes, electrical functions, connections, finish and marking options



SNAP-ACTION SECURITY PUSHBUTTON SWITCHES (page K-15)

- Tactile feedback
- Illuminated or non-illuminated



AV SERIES

ANTI-VANDAL PUSHBUTTON SWITCHES

Distinctive features and specifications

- ☐ Increased impact resistance provided by a nut or mechanical stop
- ☐ Stainless steel actuator and bushing

SPECIFICATIONS

- Max. current/voltage rating with resistive load : 2A 48 VDC
- Initial contact resistance : 10 mΩ max. at 1A 2V
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength :
2.000 Vrms 50 Hz min. between terminals and frame
2.000 Vrms 50 Hz min. between terminals
- Electrical life : 10.000 cycles at full load
- Torque : 5 Nm min.- 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 11 mm (.433) max.
- Operating temperature : -20°C to +55°C
- Mechanical life : 1.000.000 cycles

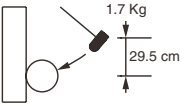
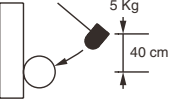
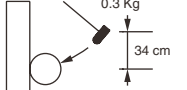
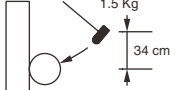
MATERIALS

- Case : PBT
- Contacts : brass, silver plated (C)
- Bushing : stainless steel
- Actuator : stainless steel

CUT-OUTS

- Panel cut-out :
Ø 19,2 mm (.755)
or Ø 22,2 mm (.874)
- Min. pitch for matrix mounting :
30 mm (1.181) x 30 mm (1.181)

ROBUSTNESS

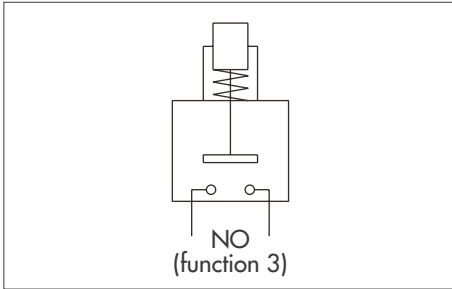
	Model Ø 19 mm (.748)		Model Ø 22 mm (.866)	
Degree of protection according to EN 50102, June 95 (NFC 20-015)		IK08 Striking energy: 5 joules (5Nm)		IK10 Striking energy: 20 joules (20Nm)
	Hammer radius 25 mm		Hammer radius 50 mm	
Impacts on actuator according to CECC 96000 Hammer radius 10 mm		10 strokes Striking energy: 1 joule (1Nm)		10 strokes Striking energy: 5 joules (5Nm)

AV SERIES

ANTI-VANDAL PUSHBUTTON SWITCHES

Bushing Ø 19 (.748)

MODEL
STRUCTURE



ORDER FORMAT

Series	Bush./act. config.	Case style	Function	Contact material	Terminal type	Bush./act. material	Sealing
AV	09 19 9D	100	3	C	9 2	40	N T

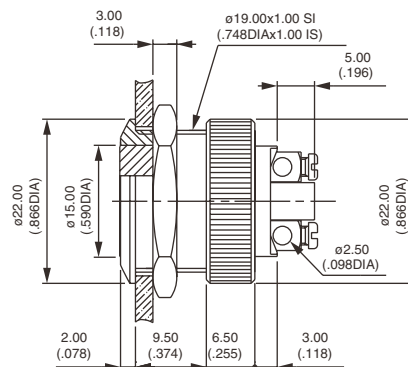
BASIC MODEL

Flat actuator - AV09..40N

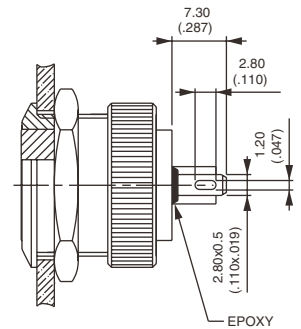


Screw terminals
AV091003C940N

Solder lug /
quick-connect term.
AV091003C240N

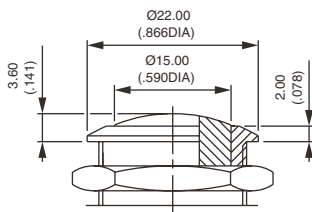


Hex nut 22 (.866) across flats



OTHER CONFIGURATIONS

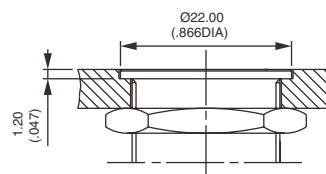
Curved actuator



Screw terminals
AV191003C940N

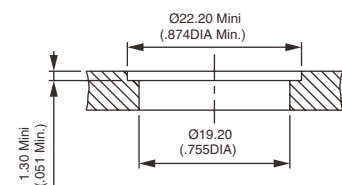
Solder lug / quick-connect terminals
AV191003C240N

Flush model

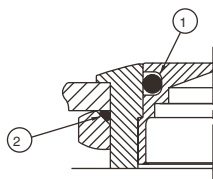


Screw terminals
AV9D1003C940N

Solder lug / quick-connect terminals
AV9D1003C240N



SEALING



T Front panel sealing (IP65)

To order a sealed product, replace N with T at the end of above part numbers.

- ① internal gasket
- ② external gasket

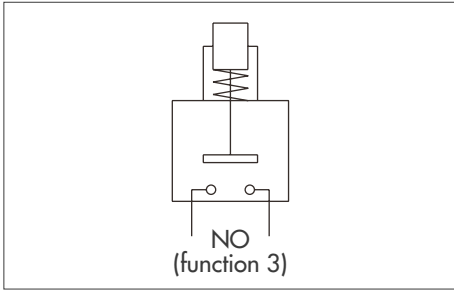
Robustness : see "Specifications" page.

AV SERIES

ANTI-VANDAL PUSHBUTTON SWITCHES

Bushing Ø 22 (.866)

MODEL
STRUCTURE



ORDER FORMAT

Series	Bush./act. config.	Case style	Function	Contact material	Terminal type	Bush./act. material	Sealing
AV	03 02 M3 M2	100	3	C	9 2	40	N T

BASIC MODEL

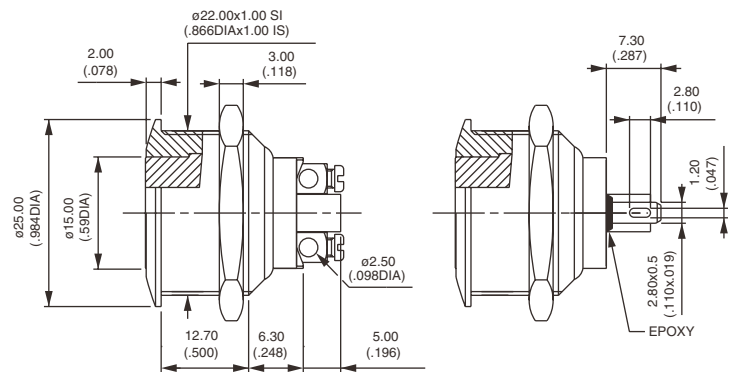
Flat actuator - AV03..40N

Hex nut 25 (.984) across flats



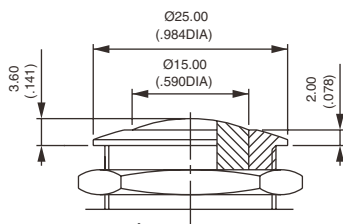
Screw terminals
AV031003C940N

Solder lug /
quick-connect term.
AV031003C240N



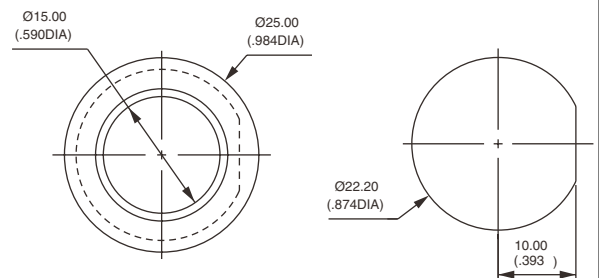
OTHER CONFIGURATIONS

Curved actuator



Screw terminals
AV021003C940N
Solder lug / quick-connect term.
AV021003C240N

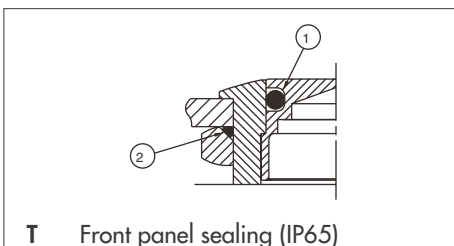
Flatted bushing



Flat actuator
Screw terminals
AVM31003C940N

Curved actuator
Screw terminals
AVM21003C940N

SEALING



To order a sealed product, replace N with T at the end of above part numbers.

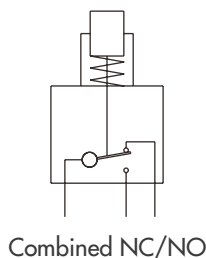
- ① internal gasket
- ② external gasket

Robustness : see "Specifications" page.

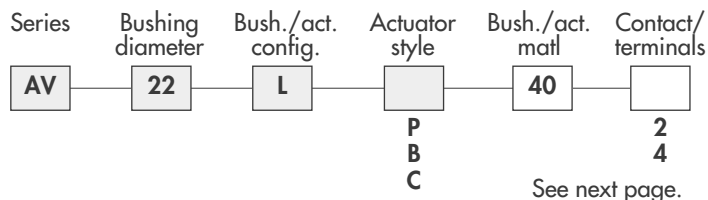
AV SERIES

SECURITY PUSHBUTTON SWITCHES WITH LARGE ACTUATOR

Bushing Ø 22 (.866)



ORDER FORMAT



SPECIFICATIONS

- Max. current/voltage rating with resistive load : 5A 250VAC
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength : 2.000 Vrms 50 Hz min. between terminals and frame
- Electrical life : 1.000.000 cycles at 1A 250VAC
100.000 cycles at full load
- Torque : 5 Nm min.- 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 6 mm (.236) max.
- Operating temperature : -20°C to +55°C
- Mechanical life : 3.000.000 cycles
- Front panel sealing : IP65

MATERIALS

- Case : polyester, glass filled
- Contacts : silver/nickel alloy
- Bushing : stainless steel (std)
- Actuator : stainless steel (std)

CUT-OUT

- Panel cut-out : Ø 22,2 (.874) or Ø 24,2 (.952)
- Min. pitch for matrix mounting : 30 mm x 30 mm (1.181x1.181)

All model numbers below are for switches with standard bushing/actuator material.

BASIC MODEL

Flat actuator - solder lug terminals - AV22LP

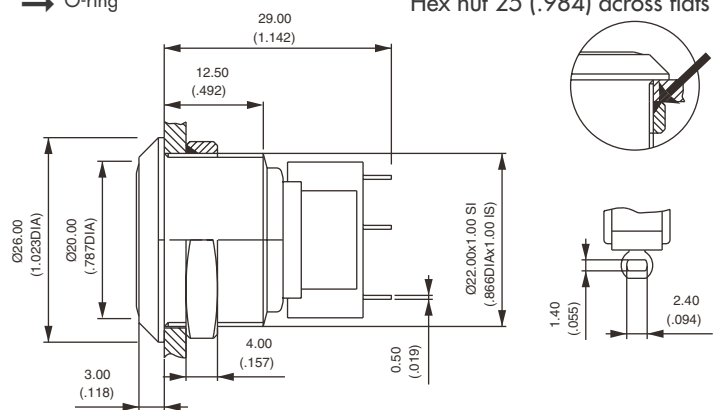


AV22LP402



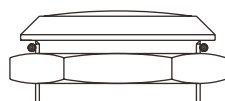
→ O-ring

Hex nut 25 (.984) across flats



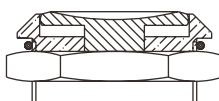
OTHER CONFIGURATIONS

Curved actuator



AV22LB402

Recessed actuator



AV22LC402

AV SERIES

SECURITY PUSHBUTTON SWITCHES WITH LARGE ACTUATOR

Bushing Ø 24 (.944) - low profile

OPTIONS

• • •

BASIC MODEL

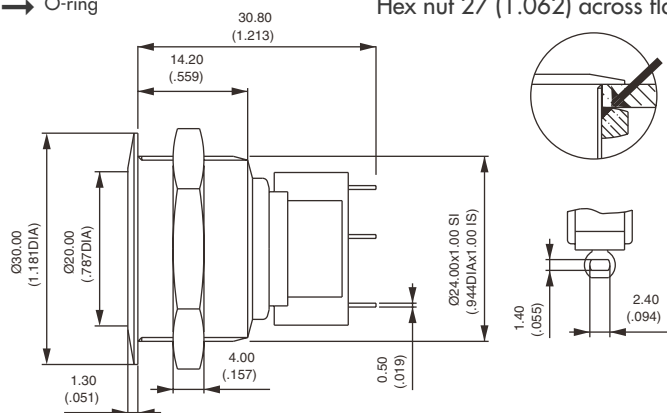
Flat actuator - solder lug terminals - AV24LP

→ O-ring

Hex nut 27 (1.062) across flats

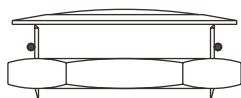


AV24LP402



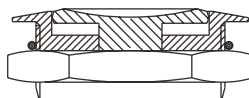
OTHER CONFIGURATIONS

Curved actuator



AV24LB402

Recessed actuator



AV24LC402

BUSHING / ACTUATOR MATERIAL

For non-standard material, replace **40** with one of the following codes.

Models with non-anodized actuator

CODE	BUSHING
40 (standard)	Stainless steel
20	Chrome plated brass

ACTUATOR
Stainless steel
Chrome plated brass

Models with anodized actuator

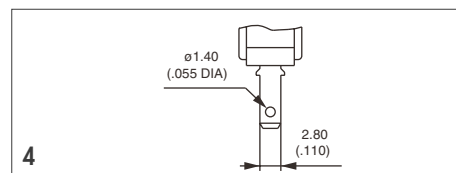
CODE	BUSHING
1•	Black chrome plated brass
2•	Chrome plated brass
4•	Stainless steel

ACTUATOR COLOUR
Replace • with colour code opposite.

Colours
2 : black
3 : pale green
5 : gold yellow
6 : red

CONTACT / TERMINALS

2 (standard)	NC/NO, solder lug terminals
4	NC/NO, quick-connect terminals

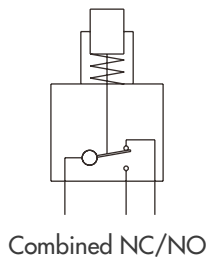


AV SERIES

MUSHROOM HEAD SECURITY PUSHBUTTON SWITCHES

Bushing Ø 22 (.866)

MODEL
STRUCTURE



ORDER FORMAT

Series	Bushing diameter	Bush./act. config.	Actuator colour	Contact/ terminals
AV	22	PNA	2 3 4 5 6	2 4

SPECIFICATIONS

- Max. current/voltage rating with resistive load : 5A 250VAC
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength : 2.000 Vrms 50 Hz min. between terminals and frame
- Electrical life : 1.000.000 cycles at 1A 250VAC
100.000 cycles at full load
- Torque : 5 Nm min.- 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 6 mm (.236) max.
- Operating temperature : -20°C to +55°C
- Mechanical life : 1.000.000 cycles
- Front panel sealing : IP65

MATERIALS

- Case : polyester, glass filled
- Contacts : silver/nickel alloy
- Bushing : brass, nickel plated
- Actuator : aluminium, anodized

CUT-OUT

- Panel cut-out : Ø 22,2 (.874)
- Min. pitch for matrix mounting :
30 mm x 30 mm (1.181x1.181)

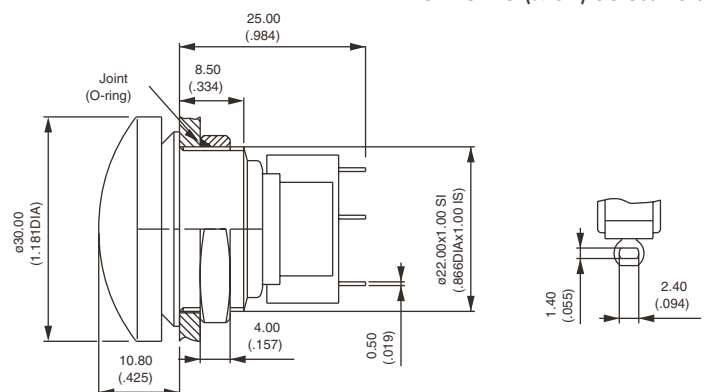
BASIC MODEL

Solder lug terminals - red actuator - AV22PNA

Hex nut 25 (.984) across flats



AV22PNA62

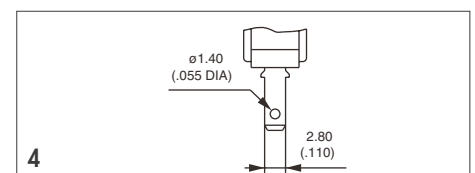


ACTUATOR COLOUR

2 : black - 3 : green - 4 : grey - 5 : yellow - 6 : red

CONTACT / TERMINALS

- 2 (standard) NC/NO, solder lug terminals
4 NC/NO, quick-connect terminals

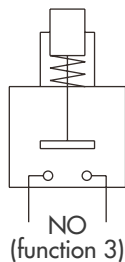


AV SERIES

SECURITY PUSHBUTTON SWITCHES

Bushing Ø 16 (.629)

MODEL
STRUCTURE



ORDER FORMAT

Series	Bush./act. config.	Function	Case style	Contact matl.	Term. type	Bush./act. material	Sealing
AV	06 16 08	3	0	C	9	00 40	K

See "options" page.

SPECIFICATIONS

- Max. current/voltage rating with resistive load : 200mA 48 VDC - 100mA 48VDC
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength : 2.000 Vrms 50 Hz min. between terminals and frame
- Electrical life : 50.000 cycles at 200mA 48VDC
100.000 cycles at 100mA 48VDC
- Torque : 5 Nm min.- 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 6 mm (.236) max.
- Operating temperature : -20°C to +55°C
- Mechanical life : 1.000.000 cycles

MATERIALS

- Case : PBT
- Contacts : brass, silver plated (C)
- Bushing and actuator :
- nickel plated brass (std), code **00**
- stainless steel, option **40**

CUT-OUT

- Panel cut-out :
Ø 16,2 (.637)
- Min. pitch for matrix mounting :
24 mm x 24 mm (.944 x .944)

All model numbers below are for switches with standard bushing/actuator material, without marking.

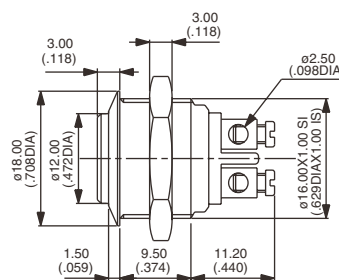
BASIC MODEL

Flat actuator - screw terminals - AV06

Hex nut 19 (.748) across flats

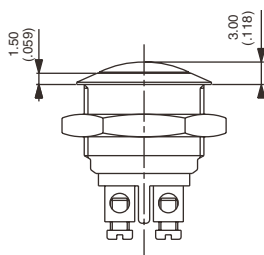


AV0630C900



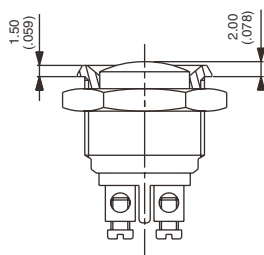
OTHER CONFIGURATIONS

Curved actuator



AV1630C900

Curved actuator w. chamfer



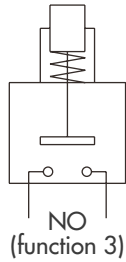
AV0830C900

AV SERIES

SECURITY PUSHBUTTON SWITCHES

Bushing Ø 19 (.748)

MODEL
STRUCTURE



ORDER FORMAT

Series	Bush./act. config.	Case style	Function	Contact matl.	Term. type	Bush./act. material	Marking	Sealing
AV	09 19 9P 9B	100	3	C	9 2	00		K

See "options" page.

SPECIFICATIONS

- Max. current/voltage rating with resistive load : 2A 48 VDC
- Initial contact resistance : 10 mΩ max. at 1A 2V
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength :
2.000 Vrms 50 Hz min. between terminals and frame
2.000 Vrms 50 Hz min. between terminals
- Electrical life : 10.000 cycles at full load
- Torque : 5 Nm min.- 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 11 mm (.433) max.
- Operating temperature : -20°C to +55°C
- Mechanical life : 1.000.000 cycles

MATERIALS

- Case : PBT
- Contacts : brass, silver plated (C)
- Bushing : brass, nickel plated (std)
- Actuator : brass, nickel plated (std)

CUT-OUT

- Panel cut-out :
Ø 19,2 mm (.755)
- Min. pitch for matrix mounting :
30 mm (1.181) x 30 mm (1.181)

All model numbers below are for switches with standard bushing/actuator material, without marking.

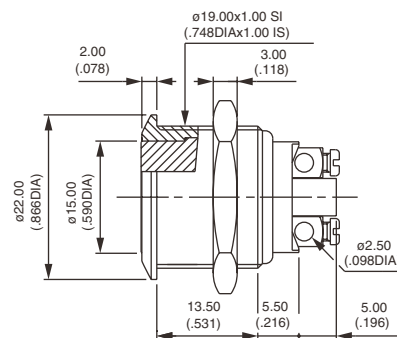
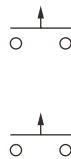
BASIC MODEL

Flat actuator - AV09..00

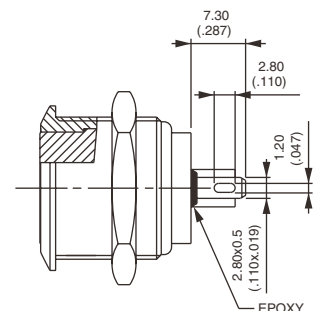


Screw terminals
AV091003C900

Solder lug /
quick-connect term.
AV091003C200

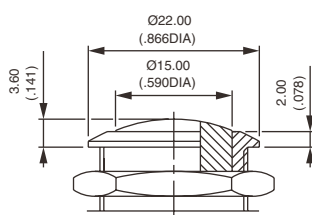


Hex nut 22 (.866) across flats



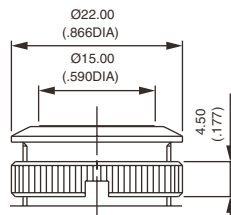
OTHER CONFIGURATIONS

Curved actuator

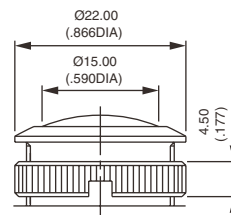


Screw terminals
AV191003C900
Solder lug / quick-connect terminals
AV191003C200

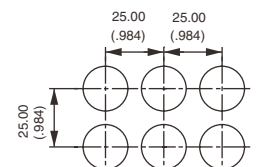
With knurled nut for matrix mounting 25 (.984) x 25 (.984)



Flat actuator, screw term.
AV9P1003C900
Flat actuator, solder lug term.
AV9P1003C200



Curved actuator, screw term.
AV9B1003C900
Curved act., solder lug term.
AV9B1003C200



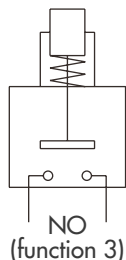
Wrench available
under P/N U1929.

AV SERIES

SECURITY PUSHBUTTON SWITCHES

Bushing Ø 22 (.866)

MODEL
STRUCTURE



ORDER FORMAT

Series	Bush./act. config.	Case style	Function	Contact matl.	Term. type	Bush./act. material	Marking	Sealing
AV	03 02 M3 M2	100	3	C	9 2	00		K

See "options" page.

SPECIFICATIONS

- Max. current/voltage rating with resistive load : 2A 48 VDC
- Initial contact resistance : 10 mΩ max. at 1A 2V
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength :
2.000 Vrms 50 Hz min. between terminals and frame
2.000 Vrms 50 Hz min. between terminals
- Electrical life : 10.000 cycles at full load
- Torque : 5 Nm min.- 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 11 mm (.433) max.
- Operating temperature : -20°C to +55°C
- Mechanical life : 1.000.000 cycles

MATERIALS

- Case : PBT
- Contacts : brass, silver plated (C)
- Bushing : brass, nickel plated (std)
- Actuator : brass, nickel plated (std)

CUT-OUTS

- Panel cut-out :
Ø 22,2 mm (.874)
- Min. pitch for matrix mounting :
30 mm (1.181) x 30 mm (1.181)

All model numbers below are for switches with standard bushing/actuator material, without marking.

BASIC MODEL

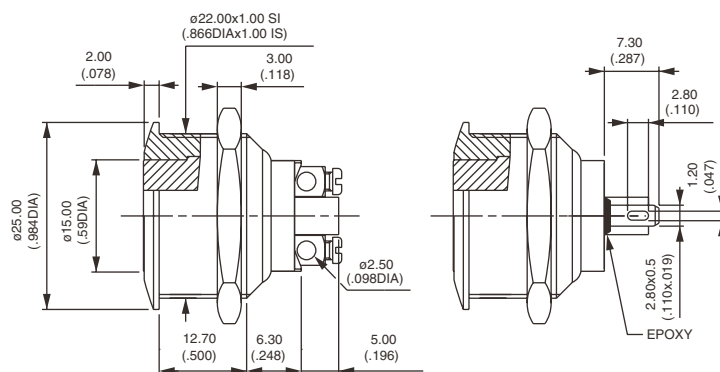
Flat actuator - AV03..00

Hex nut 25 (.984) across flats



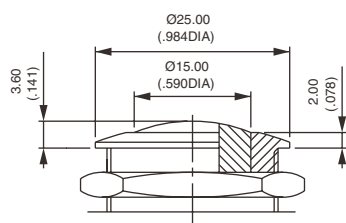
Screw terminals
AV031003C900

Solder lug /
quick-connect term.
AV031003C200



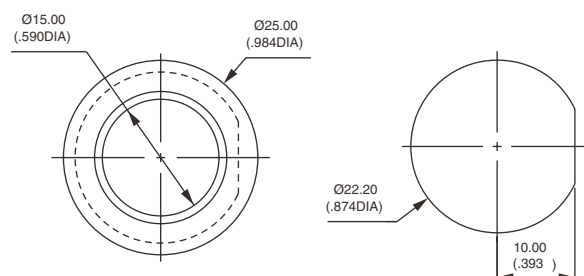
OTHER CONFIGURATIONS

Curved actuator



Screw terminals
AV021003C900
Solder lug / quick-connect terminals
AV021003C200

Flatted bushing



Flat actuator
Screw terminals
AVM31003C900
Curved actuator
Screw terminals
AVM21003C900

AV SERIES

SECURITY PUSHBUTTON SWITCHES

Bushing Ø 19 (.748) or Ø 22 (.866) - other electrical functions

MODEL
STRUCTURE

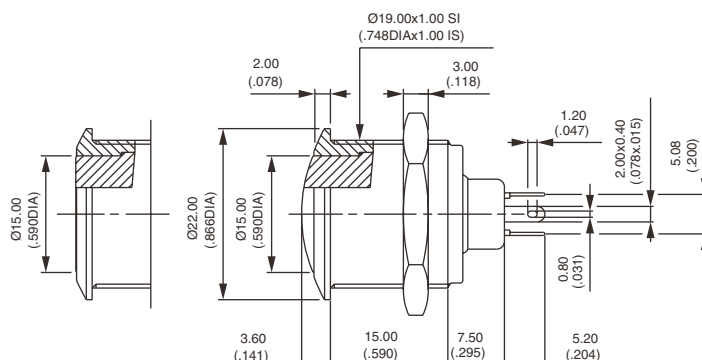
Bushing Ø 19 (.748) - combined NC/NO - AV..9035

Hex nut 22 (.866) across flats

- Single pole, solder lug terminals
- Gold plated silver contacts
- Current/voltage rating with resistive load :
- max. : 1A 30V - min : 10µA 5V
- Note : a current above 100mA damages the gold plating.
- Dielectric strength : 1.000 Vrms between terminals
2.000 Vrms between terminals and frame
- Electrical life : 250.000 cycles at full load
- Mechanical life : 1.000.000 cycles
- Further specifications : see previous page.

Flat actuator
AV099035D200

Curved actuator
AV199035D200



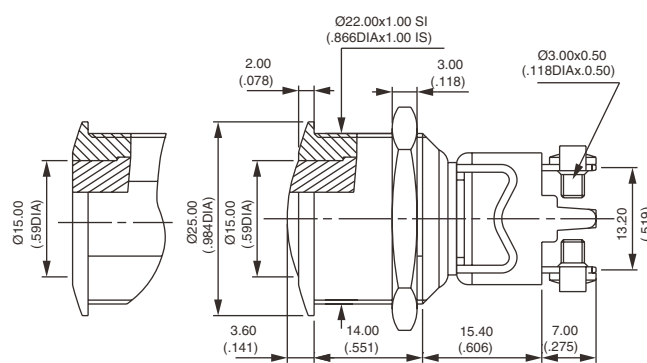
Bushing Ø 22 (.866) - Normally closed (NC) - AV..1200

Hex nut 25 (.984) across flats

- Single pole, screw terminals, without marking
- Silver plated copper contacts (C)
- Max. current/voltage rating with resistive load :
2A 250VAC - 3A 125VAC - 2,5A 24VDC
- Dielectric strength :
2.000 Vrms 50 Hz min. betw. terminals and frame
2.000 Vrms. 50 Hz min. between terminals
- Electrical life : 100.000 cycles at 0,3A 24VAC or DC
10.000 cycles at full load
- Further specifications : see previous page.

Flat actuator
AV031202C00

Curved actuator
AV021202C00

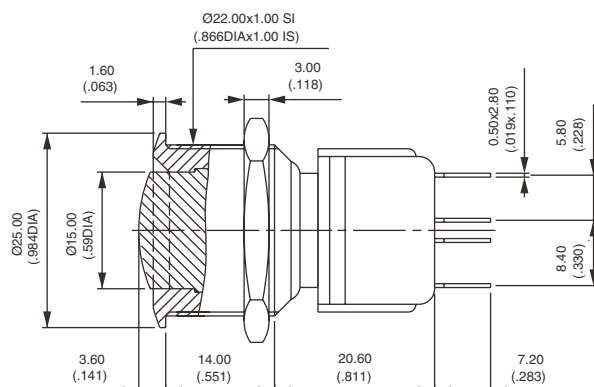


Bushing Ø 22 (.866) - alternate action - AV..4700

Hex nut 25 (.984) across flats

- Double pole, solder lug/quick-connect term., curved actuator
- Silver contacts
- Max. current/voltage rating with resistive load :
3(1,5)A 250VAC - 6A 125VAC - 3A 24VAC or DC
- Dielectric strength : 3.000 Vrms min. between terminals
and frame
- Electrical life : 10.000 cycles at full load
50.000 cycles at 1A 24VAC or DC
- Mechanical life : 100.000 cycles
- Further specifications : see previous page.

AV044746A200



Bushing/actuator materials, marking and sealing : see "options" on next page.

AV SERIES

SECURITY PUSHBUTTON SWITCHES

Options

OPTIONS

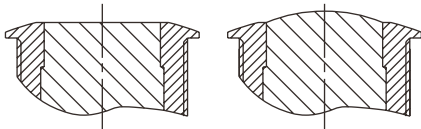
After selecting basic model number,
fill in last 3 boxes
with desired options.

Series	Bush./act. config.	Case style	Function	Contact matl.	Term. type	Bush./act. material	Marking	Sealing
AV								

BUSHING/ACTUATOR MATERIAL

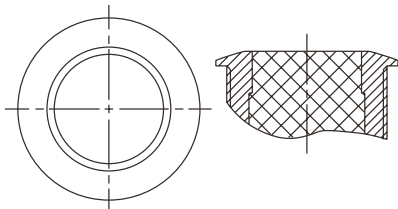
For non-standard material, replace **00** with one of the following codes.

Models with flat or curved metal actuator



CODE	BUSHING	ACTUATOR
00 (standard)	Nickel plated brass	Nickel plated brass
10	Nickel plated brass	Stainless steel
12	Nickel plated brass	Chrome plated brass
20	Chrome plated brass	Chrome plated brass
30	Chrome plated brass	Stainless steel
80	Varnished polished brass	Varnished polished brass

Models with flat thermoplastic actuator



CODE	BUSHING	ACTUATOR COLOUR
0• (standard)	Nickel plated brass	Replace • with
2•	Chrome plated brass	colour code
8•	Varnished polished brass	opposite.

Colours

1 : blue
2 : black
3 : green
4 : grey
5 : yellow
6 : red
7/1 : white
9 : orange

MARKING

For **flat or curved actuator**.

Not available on model AV031202C00.

- by engraving on brass actuator (stainless steel on request)
- by hot stamping on thermoplastic actuator.

Select an option from each of the two tables below.

TYPE OF MARKING

CODE	TYPE
0 to 9	Numbers 0 to 9
X	Symbol *
Y	Symbol #
A to N	Letters A to N
P to W	Letters P to W
O	Letter O

Letter O : same code and same design as number 0.

For special symbols, consult factory.
Minimum order : 500 pieces

COLOUR OF MARKING

CODE	COLOUR
------	--------

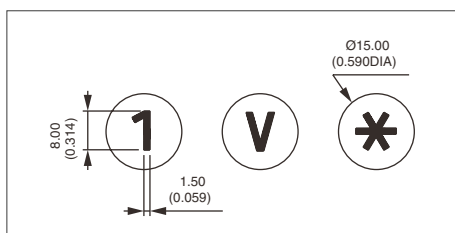
Brass actuator

0 (standard)	Same as finish
2	Black

Note : a finished product supplied in version "0" cannot be modified to version "2".

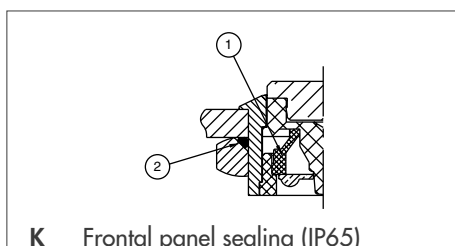
Thermoplastic actuator

2	Black
7	White



SEALING

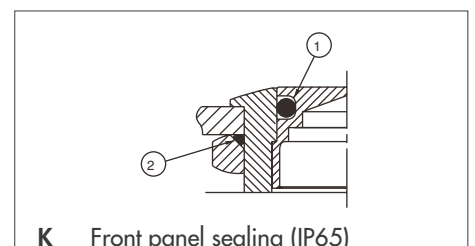
Blank No sealing



K Frontal panel sealing (IP65)

For types with bushing Ø 16

- ① elastomer membrane
② external gasket



K Front panel sealing (IP65)

For types with bushing Ø 19 or Ø 22

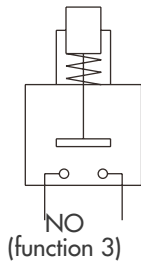
- ① internal gasket
② external gasket

AV SERIES

SNAP-ACTION SECURITY PUSHBUTTON SWITCHES

Bushing Ø 19 (.748) - Illuminated or not

MODEL
STRUCTURE



ORDER FORMAT

Series	Bush./act. config.	Case style	Illum. or not	Funct.	Contact matl.	Term. type	Bush./act. material	LED colour	Marking	Seal.
AV	09 19	C7	L 0	3	D	2	00	2		K

See "options" on next page.

SPECIFICATIONS

- Max. current/voltage rating with resistive load : 50mA 24VDC
- LED voltage and consumption : Two-colour LED 2V (3V max.) 20mA
Other colours : 2V (3V max.) 10mA
(a resistor must be series-connected by the user)
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength : 500 Vrms 50 Hz min. between terminals
2.000 Vrms 50 Hz min. between terminals and bushing
- Electrical life : 1.000.000 cycles at full load
- Operating force : 7 N $\pm$ 2N
- Travel : 0,7 mm (.027) $\pm$ 0,1 mm (.003)
- Torque : 5 Nm min.- 14 Nm max. applied to nut
- Panel thickness : 1 (.039) to 11 mm (.433) max.
- Operating temperature : -30°C to +70°C
- Soldering : 270°C max. during 3 sec.

MATERIALS

- Case : PBT UL94-V0
- Terminals : brass, gold plated
- Contacts : gold plated dome
- Bushing : brass, nickel plated (std)
- Actuator : brass, nickel plated (std)
- LED

CUT-OUTS

- Panel cut-out :
Ø 19,2 mm (.755)
- Min. pitch for matrix mounting :
30 mm (1.181) x 30 mm (1.181)

All model numbers below are for switches with standard bushing/actuator material, without marking.

Flat actuator - solder lug terminals - non-illuminated

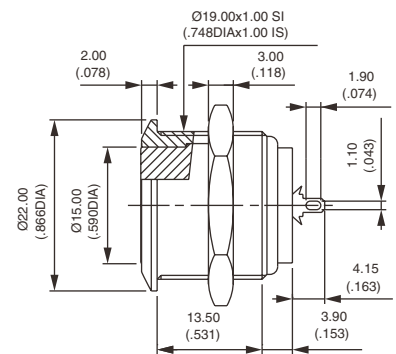
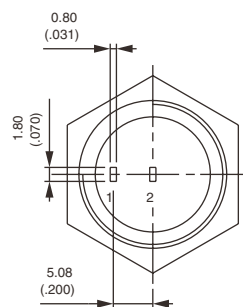
Hex nut 22 (.866) across flats



AV09C703D200



Also available with curved actuator :
AV19C703D200

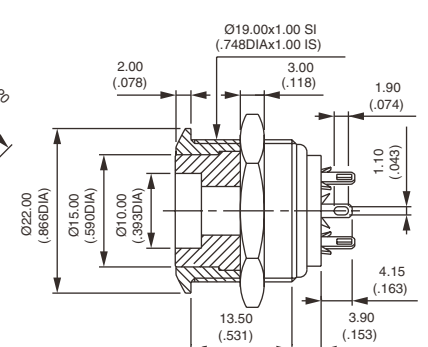
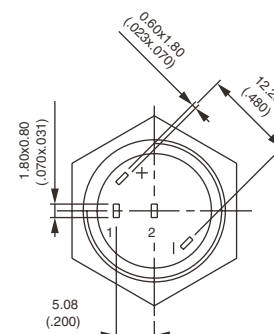


Flat actuator - solder lug terminals - illuminated

Hex nut 22 (.866) across flats



AV09C7L3D200



AV SERIES

SNAP-ACTION SECURITY PUSHBUTTON SWITCHES

Options

OPTIONS



After selecting basic model no.,
fill in last 4 boxes
with desired options.

Series	Bush./act. config.	Case style	Illum. or not	Funct.	Contact matl.	Term. type	Bush./act. material	LED colour	Marking	Seal.
AV										

BUSHING/ACTUATOR MATERIAL

For non-standard material, replace **00** with one of the following codes.

Non-illuminated models			Illuminated models		
CODE	BUSHING	ACTUATOR	CODE	BUSHING	ACTUATOR
00 (std)	Nickel plated brass	Nickel plated brass	00 (std)	Nickel plated brass	Nickel plated brass
10	Nickel plated brass	Stainless steel	20	Chrome plated brass	Chrome plated brass
30	Chrome plated brass	Stainless steel	40	Stainless steel	Stainless steel
40	Stainless steel	Stainless steel	45	Stainless steel	Nickel plated brass
80	Varnished polished brass	Varnished polished brass	80	Varnished polished brass	Varnished polished brass

LED COLOUR

Blank No LED

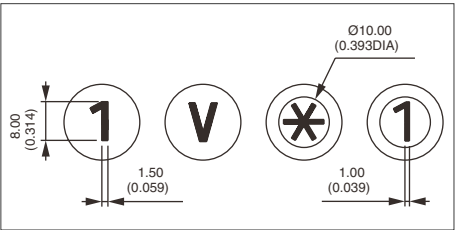
1: Blue - 3 - Green - 5 - Yellow - 6 : Red - 7 : White - 9 : Orange - 2 : Red/green

MARKING

Select an option from each of the two tables below.

For flat or curved actuator.

- by engraving on non-illuminated brass actuator (stainless steel on request).
- by hot stamping on thermoplastic insert (illuminated actuators)



TYPE OF MARKING

CODE	TYPE
0 to 9	Numbers 0 to 9
X	Symbol *
Y	Symbol #
A to N	Letters A to N
P to W	Letters P to W
0	Letter O

Letter O : same code and same design as number 0.

For special symbols, consult factory.
Minimum order : 500 pieces

COLOUR OF MARKING

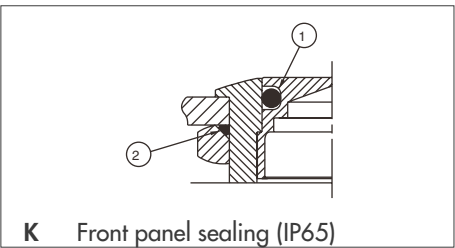
CODE	COLOUR
Non-illuminated actuators	
0 (standard)	Same as finish
2	Black

Note : a finished product supplied in version "0" cannot be modified to version "2".

Illuminated actuators	
2	Black (on white)

SEALING

Blank No sealing



① internal gasket

② external gasket

K Front panel sealing (IP65)