# SWANISTACT, 2007

# **AV** series

Tactile security pushbutton switches • Ø 19 mm • momentary (NO)



#### **DISTINCTIVE FEATURES**

Tactile feedback
Illuminated or non-illuminated
Momentary (NO)
Marking available





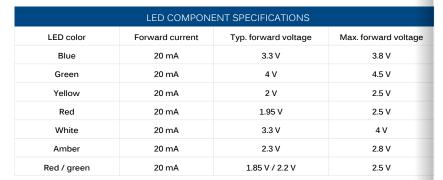
### **ENVIRONMENTAL SPECIFICATIONS**

- 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 : 50 mA 24 VDC
- Initial contact resistance :  $100 \text{ m}\Omega$  max.
- Insulation resistance : 1,000 M $\Omega$  min. at 500 VDC
- Dielectric strength: 500 Vrms 50 Hz min. between terminals 2,000 Vrms 50 Hz min. between terminals and frame
- Electrical life: 1,000,000 cycles at full load



A resistor must be series-connected by the user Resistor value = supply voltage - LED forward voltage

LED forward current

The company reserves the right to change specifications without notice.



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#### **GENERAL SPECIFICATIONS**

- Travel: 0.7 mm (.027) ± 0.1 mm (.003)
- Operating force : 7 N ± 2N
- Torque: 1.5 Nm min. 4 Nm max. applied to nut
- Panel thickness: 1 (.039) to 6 mm (.236) max.
- Hand soldering: 270 °C, 3 seconds max.



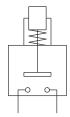
#### **MATERIALS**

- Case: PBT UL94-V0
- Terminals : brass, gold plated
- Contacts: gold plated dome
- Bushing and actuator : see following pages
- LED

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



#### **ELECTRICAL FUNCTIONS**



Function 3 (NO)



#### **MOUNTING**

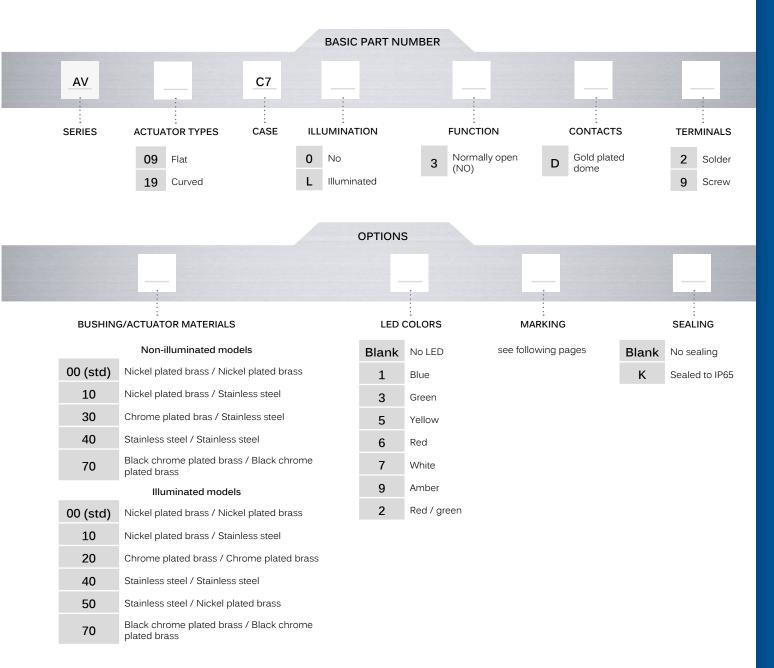
- Panel cut-out : Ø 19.2 mm (.755)
- Min. pitch for matrix mounting: 30 mm x 30 mm (1.181x1.181)

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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.

- (!) 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.

# Y D E V

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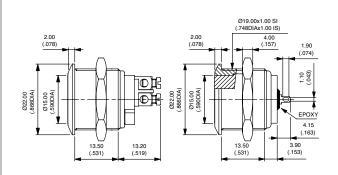
#### FLAT ACTUATOR - NON ILLUMINATED

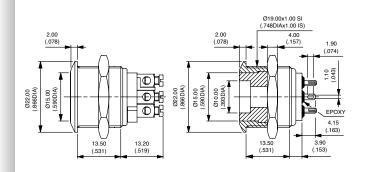


#### FLAT ACTUATOR - ILLUMINATED



Hex nut 22 (.866) across flats





#### BUSHING/ACTUATOR MATERIALS

BASIC P/N

#### NON-ILLUMINATED MODELS

CODE	BUSHING	ACTUATOR
00 (std)	Nickel plated brass	Nickel plated brass
10	Nickel plated brass	Stainless steel
30	Chrome plated brass	Stainless steel
40	Stainless steel	Stainless steel
70	Black chrome plated brass	Black chrome plated brass

#### ILLUMINATED MODELS

CODE	BUSHING	ACTUATOR
00 (std)	Nickel plated brass	Nickel plated brass
10	Nickel plated brass	Stainless steel
20	Chrome plated brass	Chrome plated brass
40	Stainless steel	Stainless steel
50	Stainless steel	Nickel plated brass
70	Black chrome plated brass	Black chrome plated brass

#### LED COLORS

Blank No LED 6 Red Blue 7 White 1 Amber 3 Green 9 5 Yellow 2 Red/green

BASIC P/N

# APEM

## **AV** series

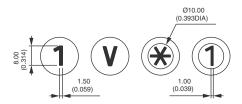
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## MARKING

BASIC P/N

#### For flat or curved actuator.

- by laser etching on non-illuminated brass or stainless steel actuator.
- by hot stamping on thermoplastic insert (illuminated actuators)



Select an option from each of the two paragraphs opposite (Type /Color).

#### TYPE OF MARKING

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

COLOR OF MARKING

#### Non-illuminated actuators:

0 (std) 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**

BASIC P/N

Blank No sealing

K Front panel sealing to IP65

#### OPTION K



- 1 internal gasket
- 2 external gasket

5

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Apem:

AV09C703D240E