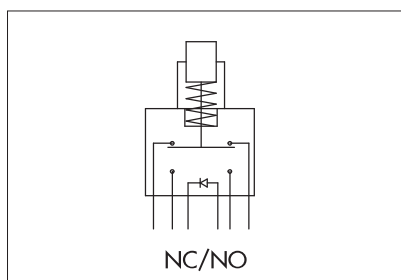




AV series

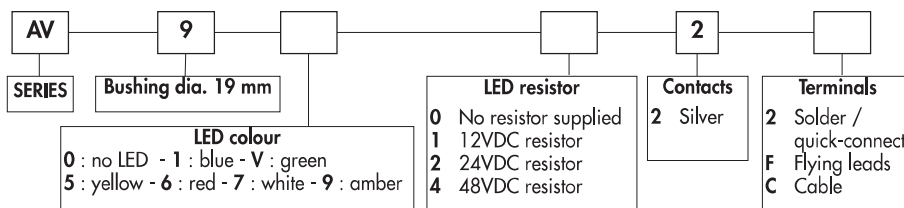
Security pushbutton switches Ø 19 mm (.748)

With illuminated ring - momentary (NC/NO)



ORDER FORMAT

Options : see next page.



SPECIFICATIONS

- Travel : 2 mm ± 0,3 mm (.003)
- Max. current/voltage rating with resistive load : 1A 30VDC
- LED voltage : 12VDC, 24VDC or 48VDC (If not supplied by APEM, a resistor must be series-connected by the user)**
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 10 MΩ min. at 500VDC
- Dielectric strength : 500 Vrms 50 Hz min. between terminals
1.000 Vrms 50 Hz min. between terminals and frame
- Electrical life : 250.000 cycles at full load
- Operating force : 5N ± 2N
- 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
- Operating temperature : -30°C to +85°C
- Hand soldering : 350°C, 5 seconds max.
- Packaging unit : flying lead/cable models : 1 piece - other models : 40 pieces

** Resistor value = $\frac{\text{supply voltage} - \text{LED forward voltage}}{\text{LED forward current}}$

MATERIALS

- Case : polyamide, glass filled
- Contacts : silver
- Bushing : see next page
- Actuator : see next page
- Elastomeric membrane : silicone
- LED

CUT-OUT

- Panel cut-out : Ø 19,2 mm (.755)
- Min. pitch for matrix mounting : 30 mm x 30 mm (1.181x1.181)

To order a product, select a basic model below and add the desired LED colour and voltage. Then select the desired options on next page.

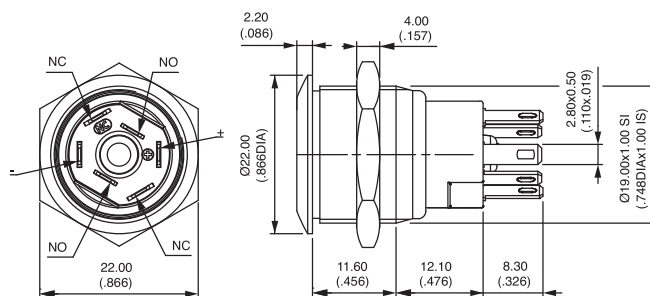
Flat actuator - solder lug terminals

Hex nut 22 (.866) across flats



Illuminated (select LED colour above) *
AV9•022 ON - MOM

Non-illuminated
AV90022 ON - MOM



* No LED resistor supplied on this model.

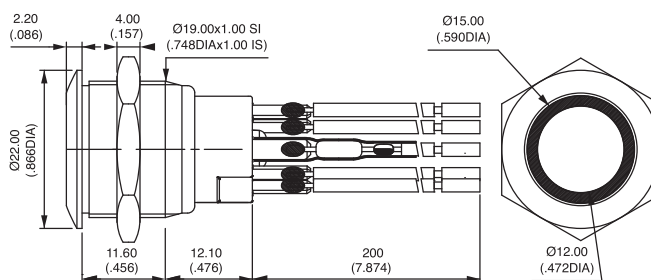
Flat actuator - flying lead terminals

Hex nut 22 (.866) across flats



Illuminated (select LED colour & resistor above)
AV9•2F ON - MOM

Non-illuminated
AV9002F ON - MOM



Wire colours : black: NC, orange: NO, red: LED anode (+), blue : LED cathode (-)

AV series

Security pushbutton switches Ø 19 mm (.748)

With illuminated ring - momentary (NC/NO)



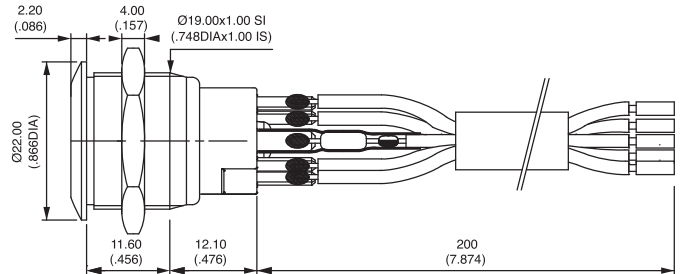
Flat actuator - cable terminals

Hex nut 22 (.866) across flats



Illuminated (select colour & resistor)
AV9••2C ON - MOM

Non-illuminated
AV9002C ON - MOM



B2

After selecting basic model No., fill in last 5 boxes with desired options.



FLYING LEAD PROTECTION

- 0 No protection and/or no flying leads
- 1 Heat-shrink sleeves
- 2 Tube + epoxy

FLYING LEAD/CABLE LENGTH

- 000 No flying leads / no cable
- 020 Length 20 cm (standard)
- XXX Length in centimeters

RING COLOURS

CODE	COLOUR	CODE	COLOUR
1	Blue	6	Red
2	Black *	7	Opal white (std)
3	Green	8	Translucent
4	Grey *	9	Orange
5	Yellow		

* non-illuminated only

BUSHING/PLUNGER MATERIALS

CODE	BUSHING	ACTUATOR
00	Nickel plated brass	Nickel plated brass
40	Stainless steel 303	Stainless steel 303
4A	Stainless steel 304	Stainless steel 304
4B	Stainless steel 316	Stainless steel 316
70	Chrome pl. brass, black	Chrome pl. brass, black

Other : on request.

SEALING

Blank No sealing



K Front panel sealing (IP67)

- ① internal membrane
- ② external gasket