Security pushbutton switches • Ø 19 or 22 mm • latching



SWAY972AICH23SI

DISTINCTIVE FEATURES

Latching
Illuminated or non-illuminated
Three terminal types



ENVIRONMENTAL SPECIFICATIONS

- Optional front panel sealing: IP65
- Operating temperature : -30 °C to +70 °C (-22 °F to +158 °F)



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load: 2 A 48 VDC
- Initial contact resistance : $50 \text{ m}\Omega$ max.
- Insulation resistance : 1,000 M Ω min. at 500 VDC
- Dielectric strength: 1,000 Vrms 50 Hz min. between terminals 500 Vrms 50 Hz min. between terminals and frame
- Electrical life: 500,000 cycles at 2 A 48 VDC

LED COMPONENT SPECIFICATIONS			
LED color	Forward current	Typ. forward voltage	Max. forward voltage
Red	20 mA	1.95 V	1.95 V
Yellow	20 mA	2 V	2.05 V
Green	20 mA	2.1 V	2.5 V
Blue	20 mA	3.2 V	4 V

A resistor must be series-connected by the user.

Resistor value = supply voltage - LED forward voltage

LED forward current



GENERAL SPECIFICATIONS

- Torque : 1.5 Nm min. 4 Nm max. applied to nut
- Low level or mechanical life: 1,000,000 cycles
- Hand soldering: 300 °C (572 °F), 4 seconds max.

The company reserves the right to change specifications without notice.





Security pushbutton switches • Ø 19 or 22 mm • latching



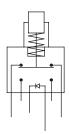
MATERIALS

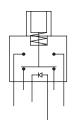
- Case : PA6T UL94-V0
- Contacts: silver
- Bushing and actuator : see following pages
- LED

 $\ensuremath{\mathsf{APEM}}$ products may be recycled at end-of-life for the re-claiming of valuable metal components.



ELECTRICAL FUNCTIONS







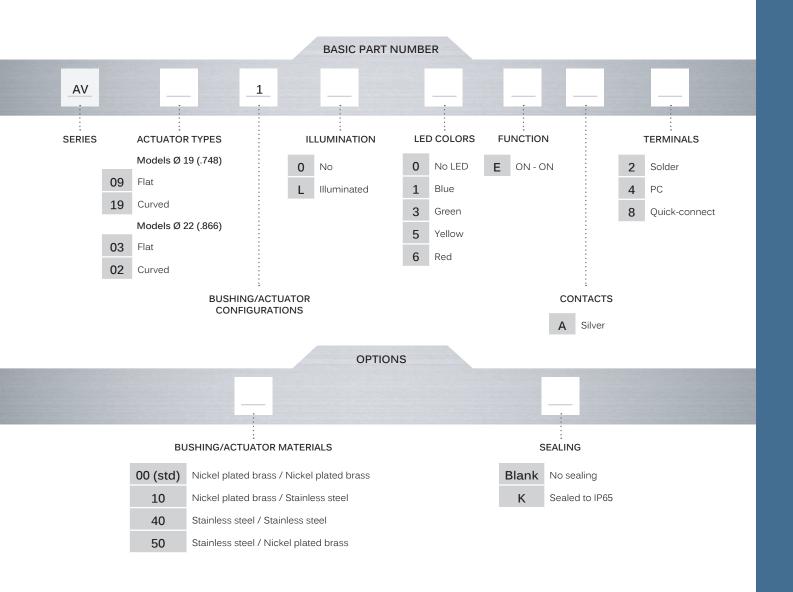
MOUNTING

- Panel cut-out: Ø 19.2 mm (.755) or Ø 22.2 mm (.874)
- Min. pitch for matrix mounting: 30 mm x 30 mm (1.181 x 1.181)
- Panel thickness :
- diam 19: 1 (.039) to 9 mm (.354) max.
- diam 22: 1 (.039) to 8 mm (.315) max.

Security pushbutton switches • Ø 19 or 22 mm • latching



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.

Security pushbutton switches • Ø 19 or 22 mm • latching

BUSHING Ø 19 (.748) - NON-ILLUMINATED SOLDER LUG TERMINALS



^{*} Also available with prominent actuator in the non-latched position.

BUSHING Ø 19 (.748) - ILLUMINATED SOLDER LUG TERMINALS



Replace • with desired LED color.

BUSHING Ø 22 (.866) - NON-ILLUMINATED SOLDER LUG TERMINALS

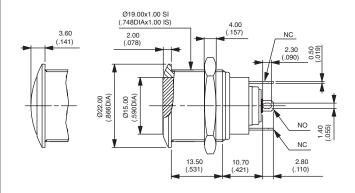


^{*} Also available with prominent actuator in the non-latched position.

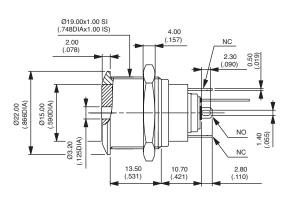
BUSHING Ø 22 (.866) - ILLUMINATED SOLDER LUG TERMINALS



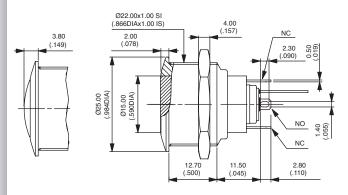
Hex nut 22 (.866) across flats



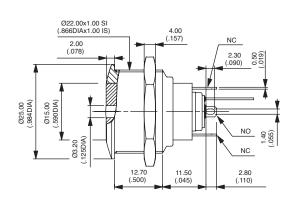
Hex nut 22 (.866) across flats



Hex nut 25 (.984) across flats



Hex nut 25 (.984) across flats

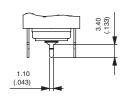


A PEM

AV series

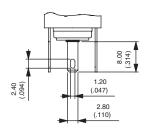
Security pushbutton switches • Ø 19 or 22 mm • latching

STRAIGHT PC TERMINALS



Replace 2 with 4 at the end of the model numbers shown on previous page.

QUICK-CONNECT TERMINALS



Replace 2 with 8 at the end of the model numbers shown on previous page.

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
50	Stainless steel	Nickel plated brass

SEALING

BASIC P/N

Blank No sealing

K Front panel sealing to IP65

OPTION K



- ① elastomeric membrane
- 2 external gasket