Sealed momentary pushbutton switches

Distinctive features and specifications



■ Snap-in and threaded bushing models

☐ Compact, light in weight

- Behind-panel depth of 13 mm (.512) only
- 50 % reduction in weight compared to metallic models
- ☐ Tactile feedback
- ☐ Sealed to IP 67

ENVIRONMENTAL SPECIFICATIONS

- Degree of protection: IP 67 See details page B36.
- Shock resistance: 100 g according to IEC 512-4, test 6c
 Vibration resistance: 10-500 Hz 10 g according to IEC 512-4, test 6d
- Salt spray: IEC 512-6, test 11f
- Operating temperature : -40°C to +85°C

MATERIALS

- Case: thermoplastic UL94-V0
- Plunger : polyamide 6/6Bushing/bezel : polyamide 6/6
- Contacts : silver, gold plated
- Terminal seal : epoxy

ELECTRICAL AND GENERAL SPECIFICATIONS

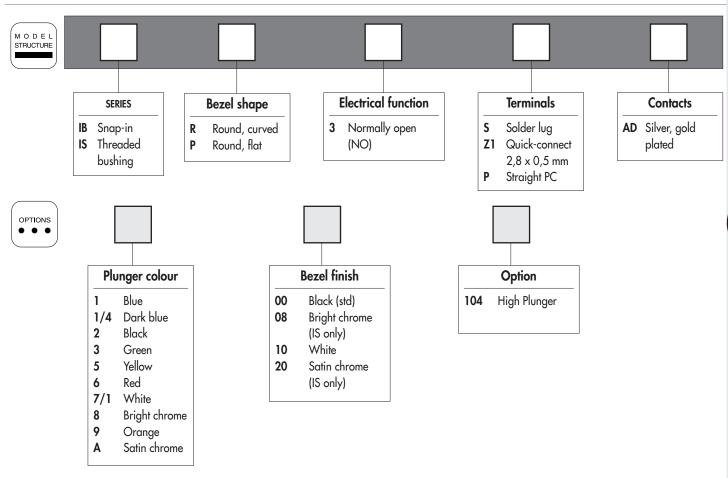
- Max. current/voltage rating with resistive load : 400mA 32VAC - 100mA 50VDC - 125mA 125VAC
- Initial contact resistance : $50 \text{ m}\Omega$ max.
- Insulation resistance : 1 $G\Omega$ min. at 500VDC
- Dielectric strength: 1.000 VAC rms
- Electrical life at full load: 500.000 cycles
- Panel thickness:
 - IB series : 0,8 mm (.031) min. 1,8 mm (.071) max.
- IS series : 1,5 mm (.059) min. 4 mm (.157) max. Total travel : 1,5 mm (.059)

- Operating force : 2N to 5N
 Contact bounce : 10 ms
 Mechanical life : 1.000.000 cycles • Torque: 1,5 Nm max. applied to nut
- Soldering: 300°C max. for 3 seconds

Example of custom switch: see end of the series.

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Overview



ABOUT THIS SERIES

On the following pages, you will find successively:

- model structure of switches and options in the same order as in above chart

Dimensions: first dimensions are in mm while inches are shown as bracketted numbers.



NOTICE: please note that not all combinations of above numbers are available. Refer to the following pages for further information.



A sealing boot is available to protect the switches against frost and sand. It is presented at the end of the series and in section H.

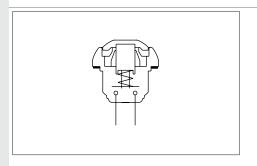


Mounting accessories: Standard hardware supplied: 1 flat seal (IB series)
1 hex nut 14 mm (.551) across flats and 1 flat seal (IS series). The hex nut is presented in section I (part number U166).

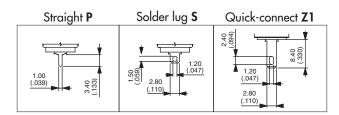


Packaging unit: 50 pieces

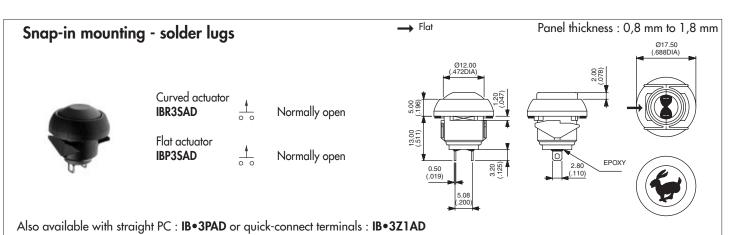
Sealed momentary pushbutton switches

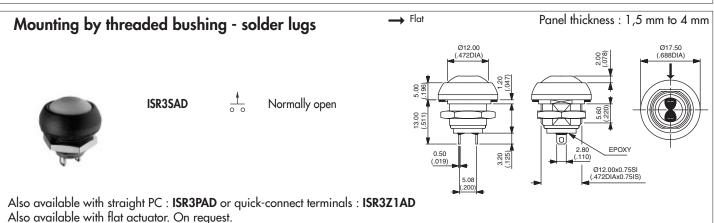


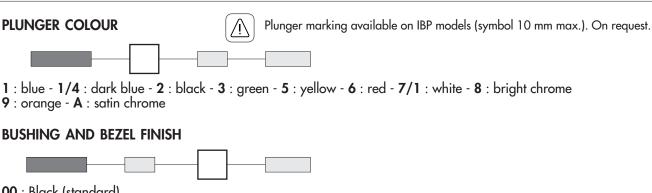
- Ten plunger colours
- Curved or flat actuator
- Antirotation bushing











00: Black (standard)

08: Bright chrome (IS series only)

10 : White

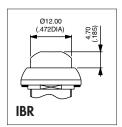
20: Satin chrome (IS series only)

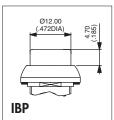
Sealed momentary pushbutton switches

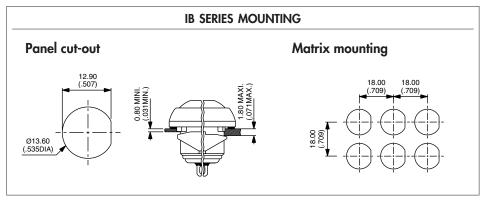
PLUNGER OPTION

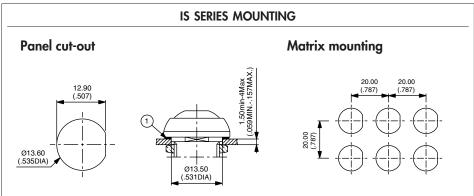


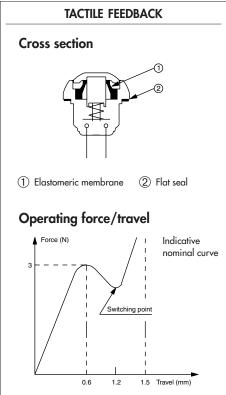
104: High plunger











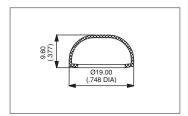
ADDITIONAL SEALING

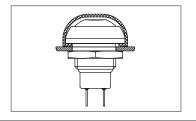
By silicone boot for protection against frost and abrasion by sand. Order separately.
- transparent: U5125
- blue: U5125-1

- black : **U5125-2** - red : **U5125-6**

Operating temperature : -40°C to +125°C

Life expectancy: 500.000 cycles





Example of custom switch



- Painted bushing and actuator, soft feel
- Wire leads (55 mm) + connector
- Overmolded rear part