

IS series

Sealed pushbutton switches •
threaded bushing Ø 12 mm • momentary



DISTINCTIVE FEATURES

Threaded bushing models

Compact, lightweight

Tactile feedback

Sealed to IP67



ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing according to IEC 60529 : IP67
- 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 (-40 °F to +185 °F)



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
400 mA 32 VAC - 100 mA 48 VDC
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1 GΩ min. at 500 VDC
- Dielectric strength : 1,000 Vrms
- Electrical life at full load : 500,000 cycles



GENERAL SPECIFICATIONS

- Panel thickness : 1.5 mm (.059) min. - 4 mm (.157) max.
- Total travel : 1.7 mm (.066) ± 0,3 mm
- Typical operating force : 4 N ± 3 N
- Low level or mechanical life : 1,000,000 cycles
- Torque (applied to nut) : 1 Nm max. with metal nut U166
1.5 Nm max. with plastic nut U4248
- Soldering : 300 °C (572 °F) max. for 3 seconds

The company reserves the right to change specifications without notice.



IS series

Sealed pushbutton switches •
threaded bushing Ø 12 mm • momentary



MATERIALS

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

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

AGENCY APPROVAL



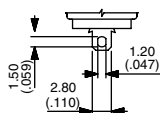
2 A 125 VAC/250 VAC
File E83438

Availability : consult factory for details of approved models.

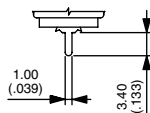
Marking : to order switches marked UL, complete appropriate box of ordering format.



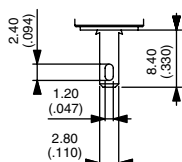
TERMINALS



Solder lug S



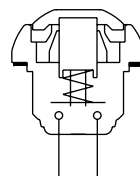
Straight P



Quick-connect Z



ELECTRICAL FUNCTIONS

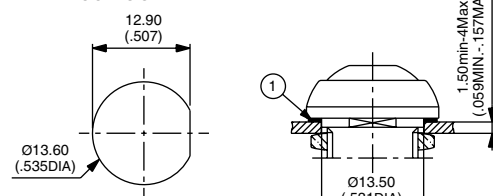


Function 3 (NO)



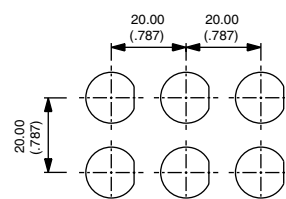
MOUNTING STANDARD BEZEL

PANEL CUT-OUT



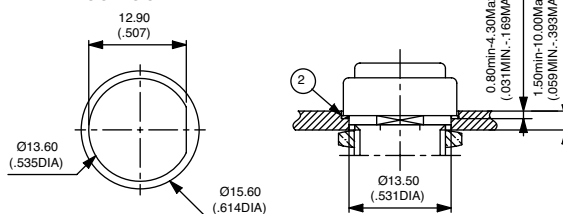
① - Flat seal

MATRIX MOUNTING



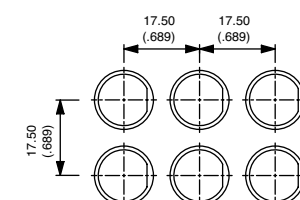
MOUNTING REDUCED MODEL

PANEL CUT-OUT



② - O-ring

MATRIX MOUNTING

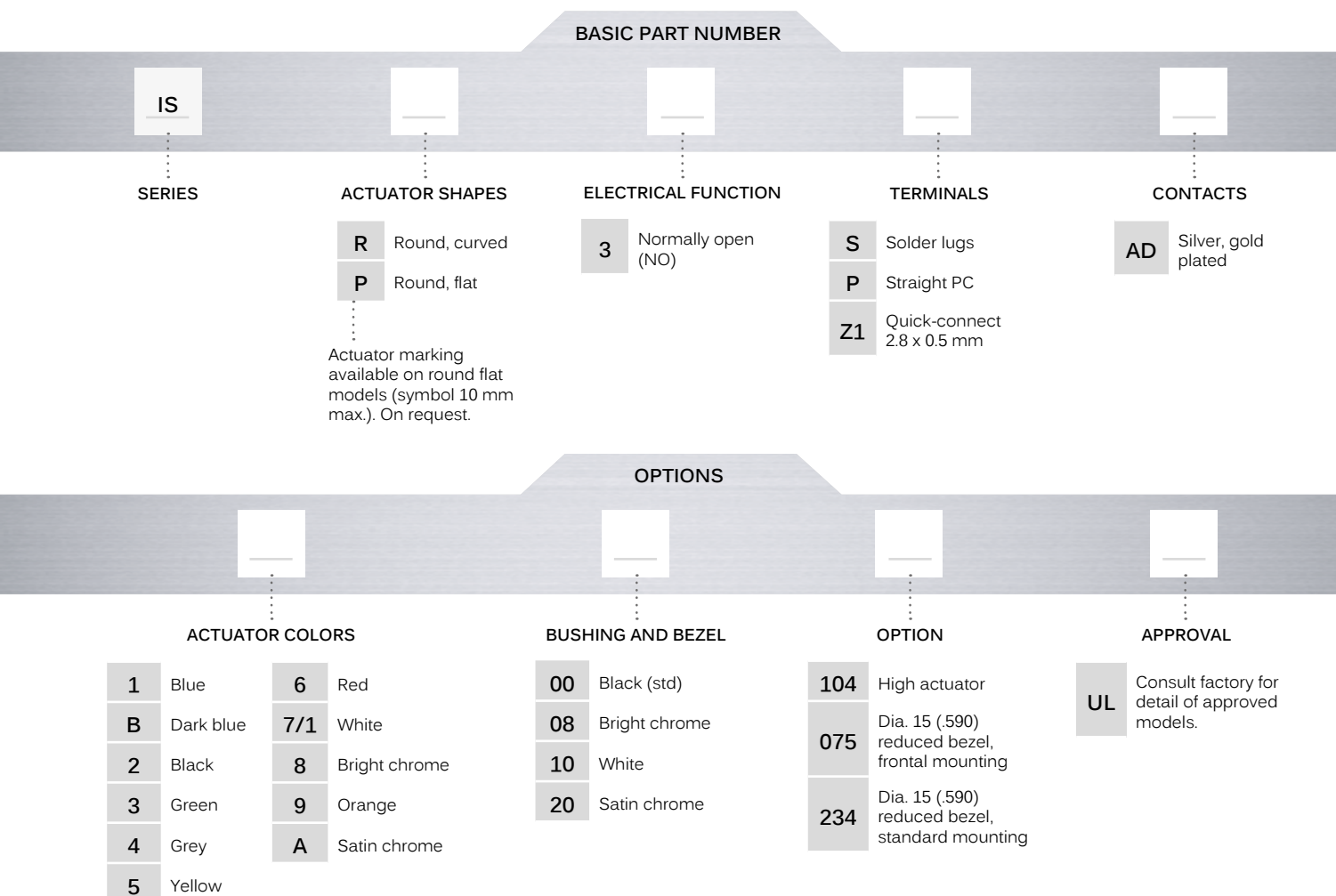


IS series

Sealed pushbutton switches • threaded bushing Ø 12 mm • momentary



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.
- 🔒 **A sealing boot** is available to protect the switches against frost and sand (P/N U5125). See "Sealing Boots" section of website.
- 🔧 **Mounting accessories** : Standard hardware supplied : 1 flat seal. Plastic nut 17 mm (.669) across flats, thickness 4 mm (.157) available on request. Part number U4248.

IS series

Sealed pushbutton switches • threaded bushing Ø 12 mm • momentary

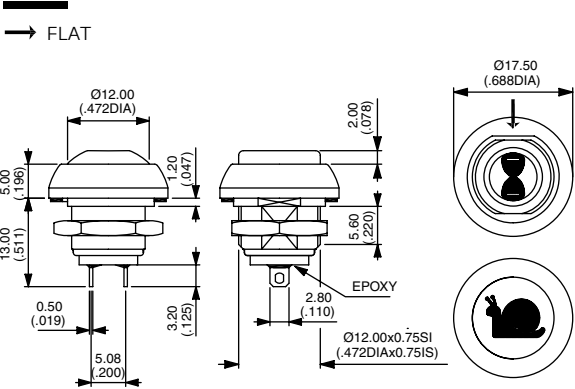
SOLDER LUG TERMINALS



Curved actuator
ISR3SAD  Normally Open

Flat actuator
ISP3SAD  Normally Open

Also available with straight PC terminals : **IS•3PAD**
 or quick-connect terminals : **IS•3Z1AD**



ACTUATOR COLORS



- | | |
|-----|---------------|
| 1 | Blue |
| B | Dark blue |
| 2 | Black |
| 3 | Green |
| 4 | Grey |
| 5 | Yellow |
| 6 | Red |
| 7/1 | White |
| 8 | Bright chrome |
| 9 | Orange |
| A | Satin chrome |

BUSHING AND BEZEL

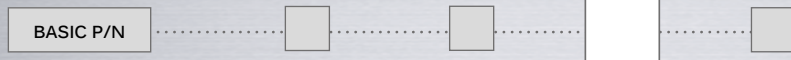


- | | |
|----|------------------|
| 00 | Black (standard) |
| 08 | Bright chrome |
| 10 | White |
| 20 | Satin chrome |

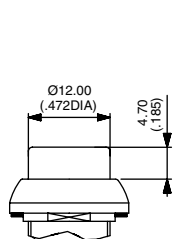
IS series

Sealed pushbutton switches • threaded bushing Ø 12 mm • momentary

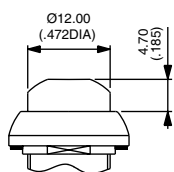
OPTIONS



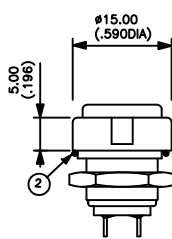
- 104 High actuator
- 075 Dia. 15 (.590) reduced bezel, mounting of the switch from the front into a threaded panel cut-out
- 234 Dia. 15 (.590) reduced bezel, standard mounting



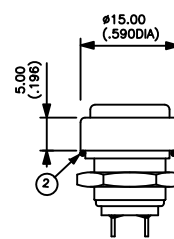
104 ISR



104 ISP



075



234

AGENCY APPROVAL



UL

Availability : consult factory for details of approved models.

Marking : to order switches marked UL, complete appropriate box of ordering format.

EXAMPLE OF CUSTOM SWITCH



ISR3FADB22X1248-01

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.