

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.



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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



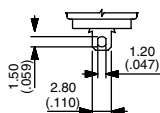
2 A 125 VAC/250 VAC
File E83438

Availability : consult factory for details of approved models.

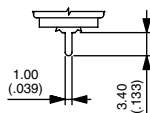
Marking : to order switches marked UL, complete appropriate box of ordering format.



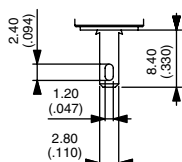
TERMINALS



Solder lug S



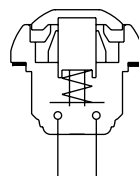
Straight P



Quick-connect Z



ELECTRICAL FUNCTIONS

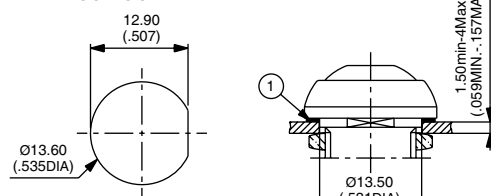


Function 3 (NO)



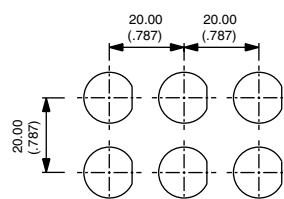
MOUNTING STANDARD BEZEL

PANEL CUT-OUT



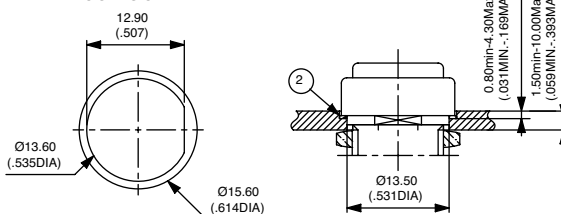
① - Flat seal

MATRIX MOUNTING



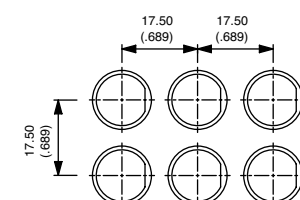
MOUNTING REDUCED MODEL

PANEL CUT-OUT



② - O-ring

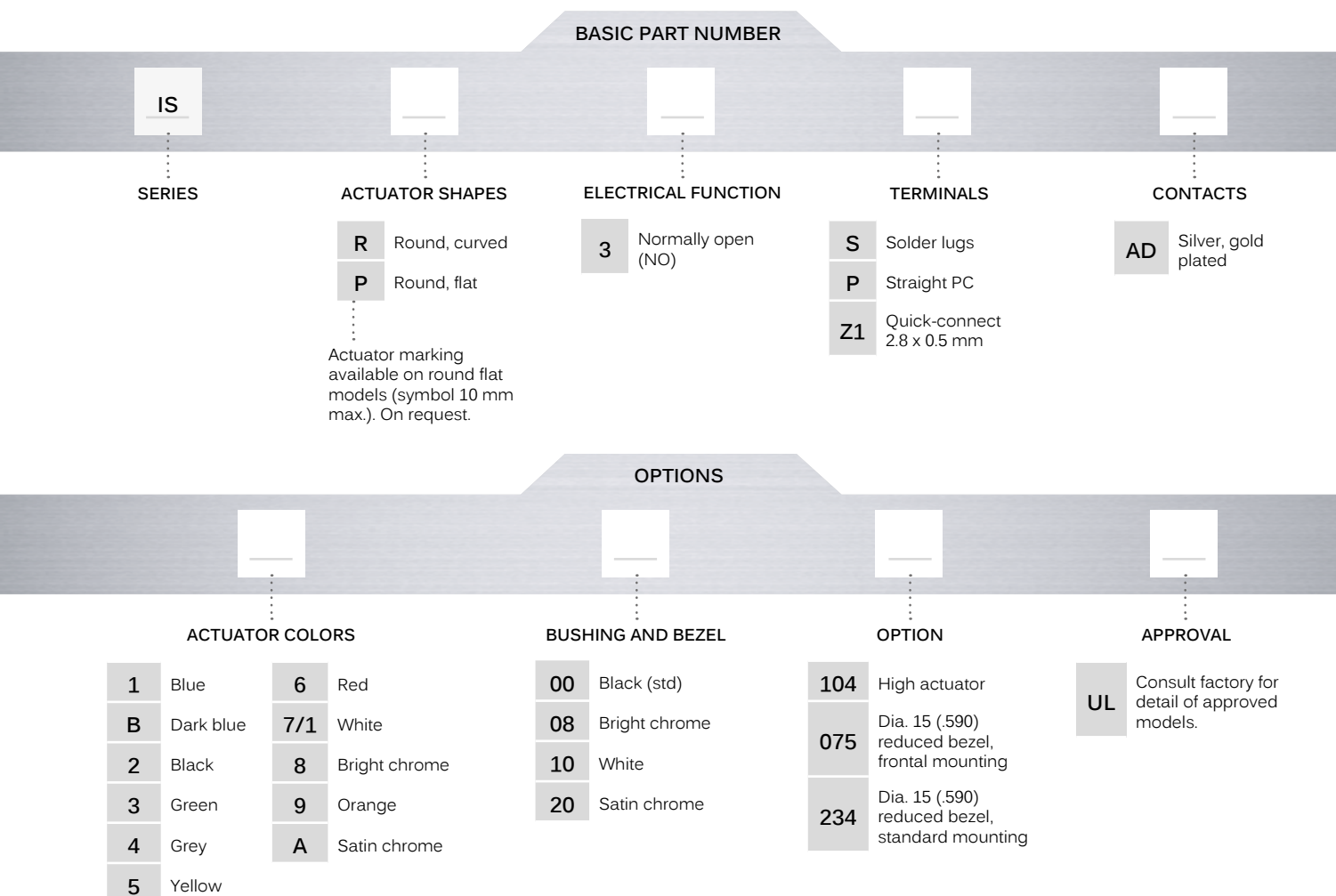
MATRIX MOUNTING



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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.
- 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.

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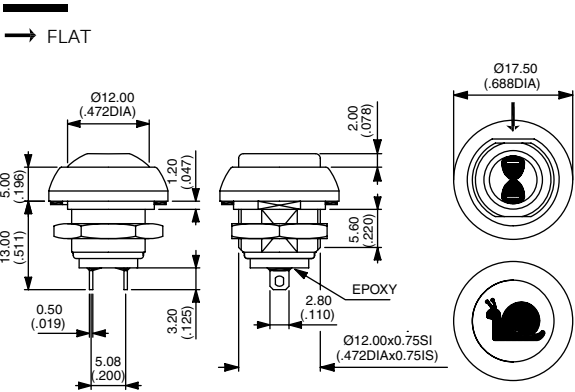
SOLDER LUG TERMINALS



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

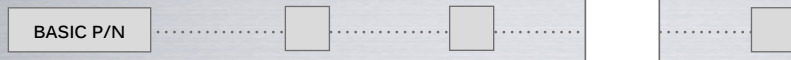


- | | |
|----|------------------|
| 00 | Black (standard) |
| 08 | Bright chrome |
| 10 | White |
| 20 | Satin chrome |

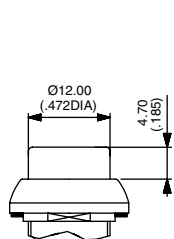
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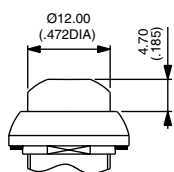
OPTIONS



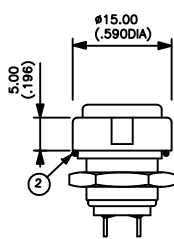
- 104 High actuator
- 075 Dia. 15 (.590) reduced bezel, mounting of the switch from the front into a threaded panel cut-out
- 234 Dia. 15 (.590) reduced bezel, standard mounting



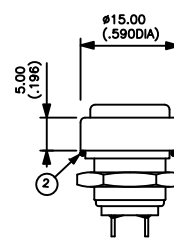
104 ISR



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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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