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

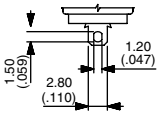
APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

AGENCY APPROVAL

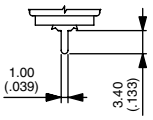
2 A 125 VAC/250 VAC
File E83438

Availability : consult factory for details of approved models.
Marking : to order switches marked UL, complete appropriate box of ordering format.

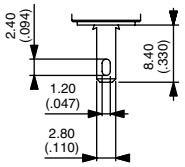
TERMINALS



Solder lug **S**

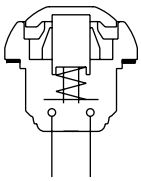


Straight **P**



Quick-connect **Z**

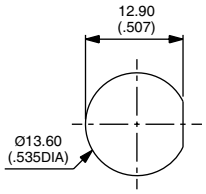
ELECTRICAL FUNCTIONS

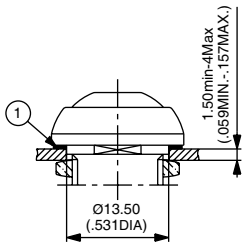


Function **3** (NO)

MOUNTING STANDARD BEZEL

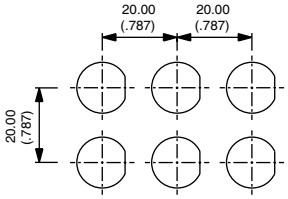
PANEL CUT-OUT





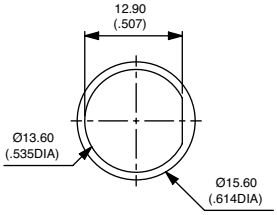
① - Flat seal

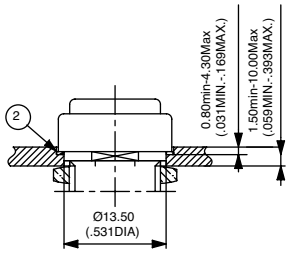
MATRIX MOUNTING



MOUNTING REDUCED MODEL

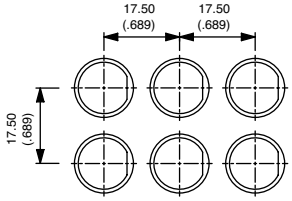
PANEL CUT-OUT





② - O-ring

MATRIX MOUNTING



IS series

Sealed pushbutton switches • threaded bushing Ø 12 mm • momentary

BUILD YOUR PART NUMBER

BASIC PART NUMBER

IS

SERIES

ACTUATOR SHAPES

R	Round, curved
P	Round, flat

Actuator marking available on round flat models (symbol 10 mm max.). On request.

ELECTRICAL FUNCTION

3	Normally open (NO)

TERMINALS

S	Solder lugs
P	Straight PC
Z1	Quick-connect 2.8 x 0.5 mm

CONTACTS

AD	Silver, gold plated

OPTIONS

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 (std)
08	Bright chrome
10	White
20	Satin chrome

OPTION

104	High actuator
075	Dia. 15 (.590) reduced bezel, frontal mounting
234	Dia. 15 (.590) reduced bezel, standard mounting

APPROVAL

UL	Consult factory for detail of approved models.

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

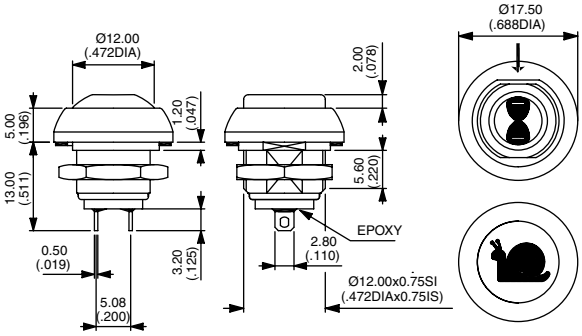
SOLDER LUG TERMINALS

Curved actuator
ISR3SAD Normally Open

Flat actuator
ISP3SAD Normally Open

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

→ FLAT



ACTUATOR COLORS

BASIC P/N

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

BASIC P/N

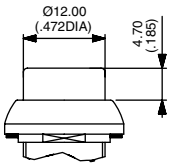
00	Black (standard)
08	Bright chrome
10	White
20	Satin chrome

IS series

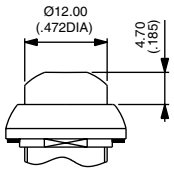
Sealed pushbutton switches • threaded bushing Ø 12 mm • momentary

OPTIONS

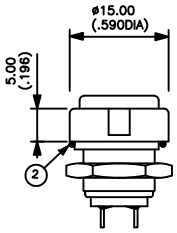
104 High actuator
075 Dia. 15 (.590) reduced bezel, mounting of the switch from the front into a threaded panel cut-out
234 Dia. 15 (.590) reduced bezel, standard mounting



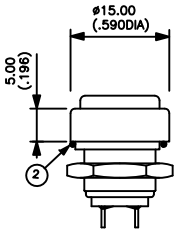
104 ISR



104 ISP

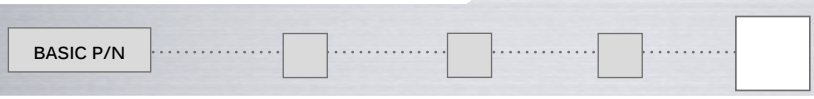


075



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

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
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- *Входной контроль качества.*
- *Наличие сертификата ISO.*

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- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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