IB series

Snap-in sealed pushbutton switches •
bushing Ø 12 mm • momentary

DISTINCTIVE FEATURES

Snap-in models
Compact, lightweight
Tactile feedback
Sealed to IP54

ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing according to IEC 60529 : IP54
- 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 : 0.8 mm (.031) min. - 1.8 mm (.071) 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
- Soldering : 300 °C (572 °F) max. for 3 seconds

The company reserves the right to change specifications without notice.

IB series

Snap-in sealed pushbutton switches • 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

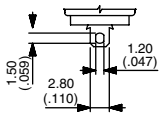
APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

AGENCY APPROVAL

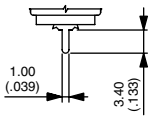
2 A 125 VAC/250 VAC
File E83438

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

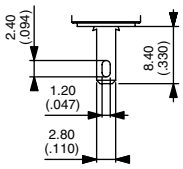
TERMINALS



Solder lug **S**

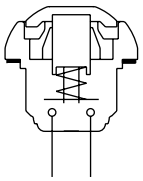


Straight **P**



Quick-connect **Z**

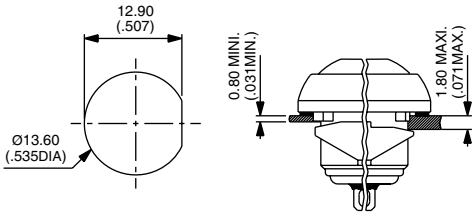
ELECTRICAL FUNCTIONS



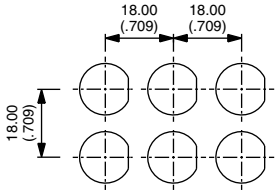
Function **3** (NO)

MOUNTING STANDARD BEZEL

PANEL CUT-OUT

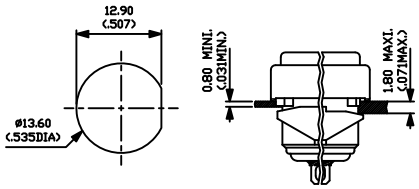


MATRIX MOUNTING

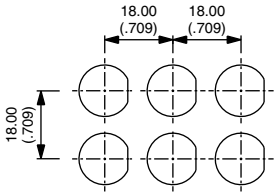


MOUNTING REDUCED MODEL

PANEL CUT-OUT



MATRIX MOUNTING



IB series

Snap-in sealed pushbutton switches • bushing Ø 12 mm • momentary

BUILD YOUR PART NUMBER

BASIC PART NUMBER

IB — 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)
10	White

OPTION

104	High actuator
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.

IB series

Snap-in sealed pushbutton switches • bushing Ø 12 mm • momentary

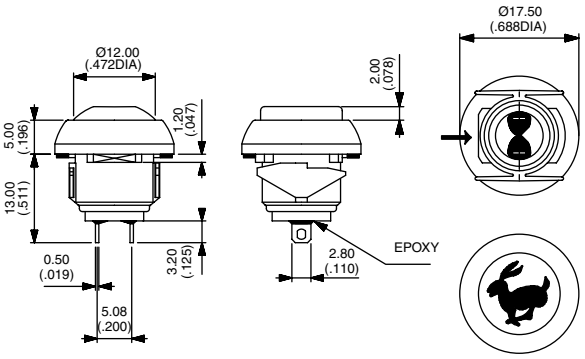
SOLDER LUG TERMINALS

Curved actuator
IBR3SAD Normally Open

Flat actuator
IBP3SAD Normally Open

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

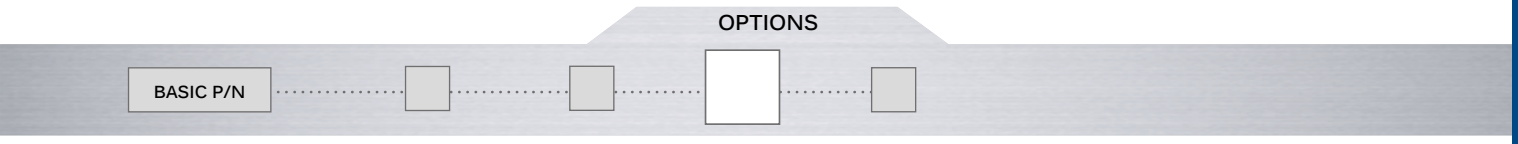
BASIC P/N

00	Black (standard)
10	White

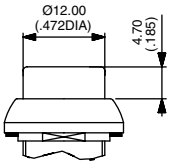
IB series

Snap-in sealed pushbutton switches • bushing Ø 12 mm • momentary

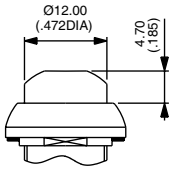
OPTIONS



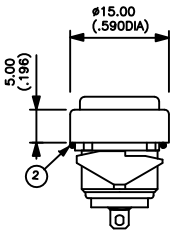
104 High actuator
234 Dia. 15 (.590) reduced bezel, standard mounting



104 IBR

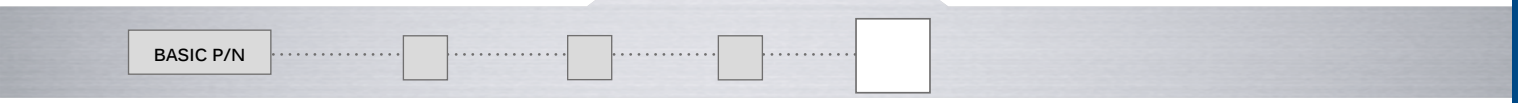


104 IBP



234

AGENCY APPROVAL



UL

Availability : consult factory for details of approved models.

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

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

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru