

# IZ series

## Rear mounted sealed pushbutton switches - bushing Ø 16

Distinctive features and specifications



- Illuminated and non-illuminated
- Tactile feedback ?
- Flat actuator for optional marking ?
- Sealed to IP67

### ENVIRONMENTAL AND GENERAL SPECIFICATIONS

- Degree of protection : IP67
- Temperature range : -40°C to +85°C
- Total travel : 1,7 mm (.067)
- Operating force : 5N ±1      Ne pas indiquer ?
- Mechanical life : 1.000.000 cycles

### MATERIALS

- Case : Pa-6T UL94-V0
- Plunger : polyamide 6/6
- Bushing/bezel : polyamide 6/6
- Contacts :
  - 4 : silver, gold plated
  - 2 : silver (screw terminals)
- Multi-wire lead AWG20, section 0,6 mm<sup>2</sup>, UL approved ??
- LED wire : AWG26
- Lens : polycarbonate
- Terminal seal : epoxy

### ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
  - Gold plated silver contacts (code 4) : 400mA 32VAC - 100mA 50VDC - 125mA 125VAC
  - Silver contacts (code 2) - screw terminals : 2A 250VAC - 4A 48VDC ???
- Electrical life at full load : 500.000 cycles
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1 GΩ min. at 500VDC
- Dielectric strength : 1.000 Vrms 50 Hz
- Contact bounce : 10 ms ???

#### LED COMPONENT SPECIFICATIONS

LED colour	Forward current	Typ. forward voltage	Max. forward voltage
Super red (LOS)	20mA	2,1V	2,3V
Yellow (LOY)	20mA	2,1V	2,3V
Green (LOG)	20mA	2,1V	2,3V
Blue (LOB)	20mA	3,2V	3,8V
White (LOW)	20mA	3,35V	4,25V

A resistor must be series-connected by the user.

Resistor value =  $\frac{\text{supply voltage} - \text{LED forward voltage}}{\text{LED forward current}}$

On wire lead versions, the LED resistor can be integrated by APEM on request. ????

Specs LED reprises sur l'IR. A valider.

**Dimensions** : First dimensions are in mm while inches are shown as bracketed numbers.

**Tolerance** : The general tolerance for dimensions in this brochure is ± 0,3 (.012).

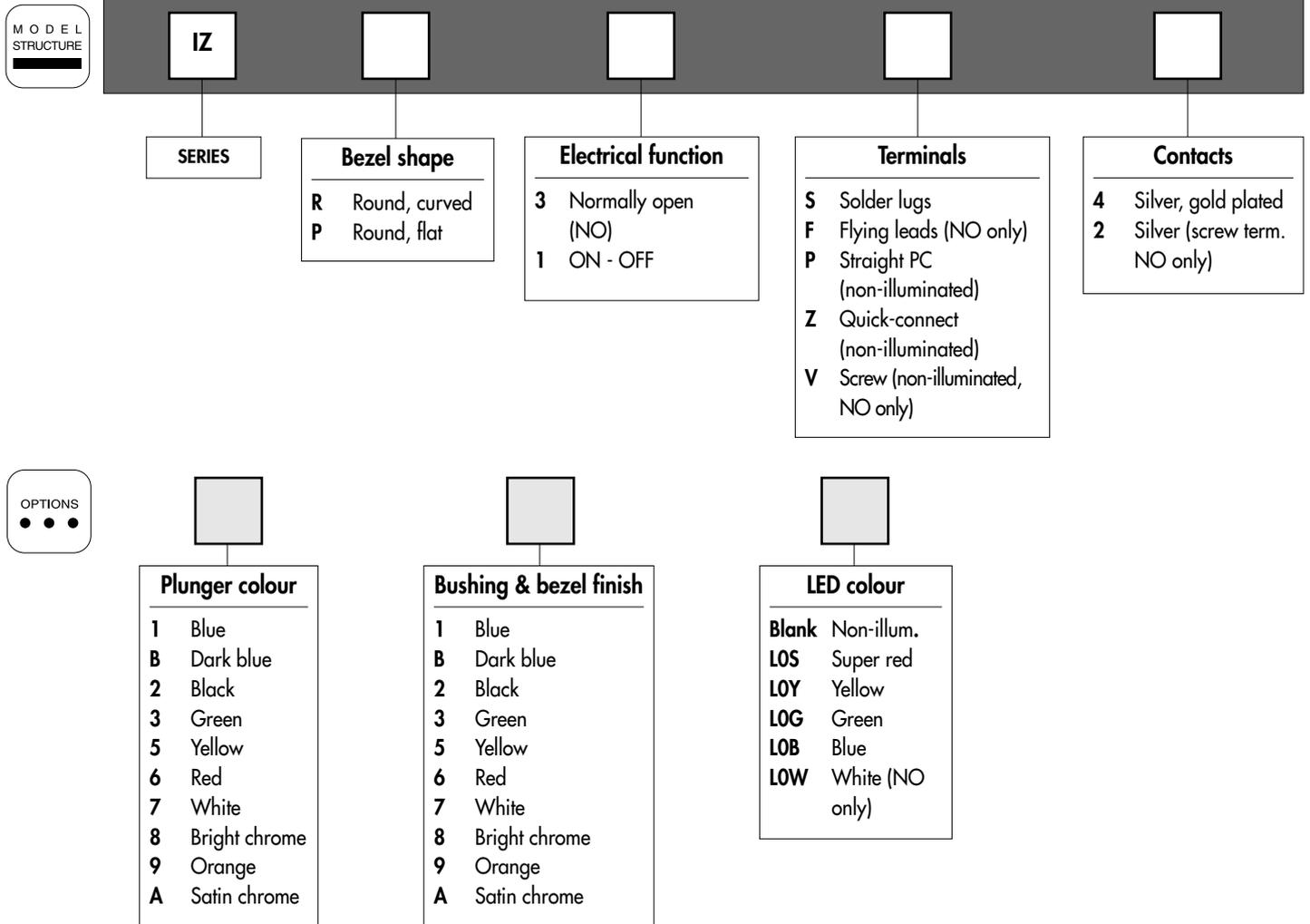
Overall dimension tolerance is ± 0,5 (.020).

Dimensions, specifications and data shown in this brochure are subject to change without notice.

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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.



**Mounting accessories** : Standard hardware supplied : **A INDIQUER**



**Packaging unit** : **A INDIQUER**

# IZ series

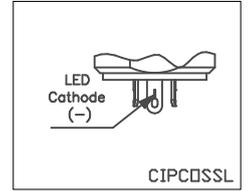
## Rear mounted sealed pushbutton switches - bushing Ø 16

Illuminated - momentary or latching

**Nouveau dessin**

Function 3 (NO)    Function 1 (ON-OFF)

- Five LED colours
- Tin plated LED terminals
- Gold plated contacts



### MODEL STRUCTURE

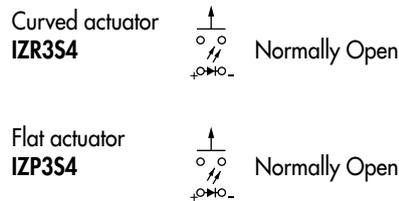


Plunger marking available on IZP models (symbol 12 mm max.). On request. ??

### Solder lug terminals - momentary

→ Flat

**Photo**

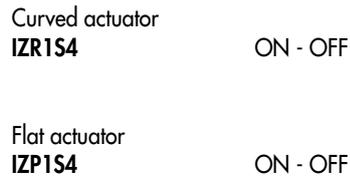


**Nouveau dessin**

### Solder lug terminals - latching

→ Flat

**Photo**

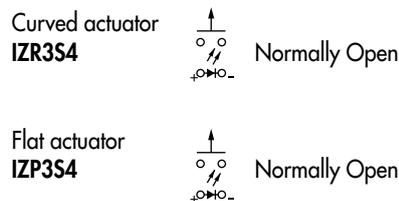


**Nouveau dessin**

### Flying lead terminals - momentary

→ Flat

**Photo**



**Nouveau dessin**

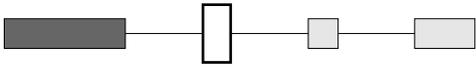
Wire colours : black : NO contact, red : LED anode(+), blue : LED cathode(-) **A confirmer.**

# IZ series

## Rear mounted sealed pushbutton switches - bushing Ø 16

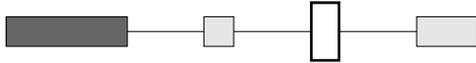
*Illuminated - momentary or latching*

### PLUNGER COLOUR



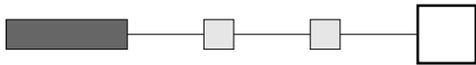
**1** : blue - **B** : dark blue - **2** : black - **3** : green - **5** : yellow - **6** : red - **7** : white - **8** : bright chrome - **9** : orange  
**A** : satin chrome

### BUSHING AND BEZEL COLOUR



**1** : blue - **B** : dark blue - **2** : black - **3** : green - **5** : yellow - **6** : red - **7** : white - **8** : bright chrome - **9** : orange  
**A** : satin chrome

### LED COLOUR

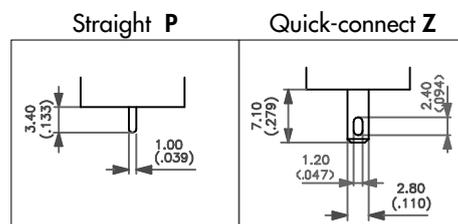
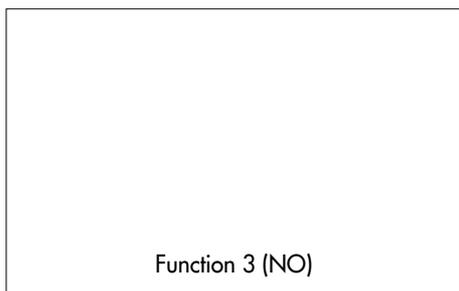


**LOS** : super red - **LOY** : yellow - **LOG** : green - **LOB** : blue - **LOW** : white (momentary only)

# IZ series

## Rear mounted sealed pushbutton switches - bushing Ø 16

Non-illuminated - momentary



### MODEL STRUCTURE



Plunger marking available on IZP models (symbol 12 mm max.). On request. ??

### Solder lug terminals - gold plated contacts

→ Flat

Photo

- Curved actuator **IZR3S4** Normally Open
- Flat actuator **IZP3S4** Normally Open

Nouveau dessin

Also available with straight PC terminals : **IZ•3P4** and quick-connect terminals : **IZ•3Z4**.

### Sealed flying lead terminals - gold plated contacts

→ Flat

Photo

- Curved actuator **IZR3S4** Normally Open
- Flat actuator **IZP3S4** Normally Open

Nouveau dessin

### Screw terminals - silver contacts

→ Flat

Photo

- Curved actuator **IZR3V2** Normally open
- Flat actuator **IZP3V2** Normally open

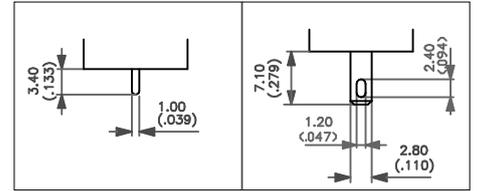
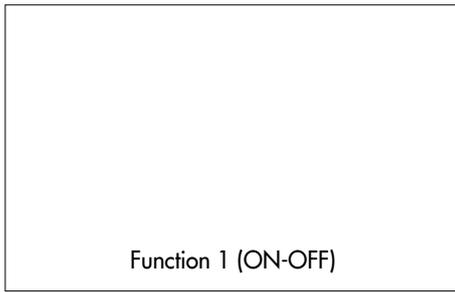
Nouveau dessin

Plunger colour and bushing/bezel colour : select the desired codes on next page.

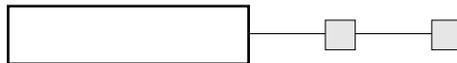
# IZ series

## Rear mounted sealed pushbutton switches - bushing Ø 16

Non-illuminated - latching



### MODEL STRUCTURE



Plunger marking available on IZP models (symbol 12 mm max.). On request. ??

### Solder lug terminals - gold plated contacts

→ Flat

Photo

Curved actuator  
**IZR1S4**

ON - OFF

Flat actuator  
**IZP1S4**

ON - OFF

Nouveau dessin

Also available with straight PC terminals : **IZ•1P4** and quick-connect terminals : **IZ•1Z4**.

### PLUNGER COLOUR



1 : blue - B : dark blue - 2 : black - 3 : green - 5 : yellow - 6 : red - 7 : white - 8 : bright chrome - 9 : orange  
A : satin chrome

### BUSHING AND BEZEL COLOUR



1 : blue - B : dark blue - 2 : black - 3 : green - 5 : yellow - 6 : red - 7 : white - 8 : bright chrome - 9 : orange  
A : satin chrome