

Rear mounted sealed pushbutton switches - bushing \emptyset 16 - metal - latching

Distinctive features and specifications



Rear mounting for easier installation
Latching action metal models
Fixed or variable panel thickness
Illuminated or non-illuminated
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: 2,5 mm (.098)
Mechanical life: 200.000 cycles

ELECTRICAL SPECIFICATIONS

• Max. current/voltage rating with resistive load : 100mA 24VDC - 200.000 cycles

• Initial contact resistance : $100 \text{ m}\Omega$ max.

• Insulation resistance : 1 G Ω min. at 500VDC

• Dielectric strength: 1.500 Vrms between terminals 1.000 Vrms between terminals and frame

LED COMPONENT SPECIFICATIONS						
LED colour	Forward current	Typ. forward voltage	Max. forward voltage			
Super red (LOS)	20mA	1,95V	1,95V			
Yellow (LOY)	20mA	2V	2,05V			
Green (LOG)	20mA	3,2V	3,70V			
Blue (LOB)	20mA	3,2V	4V			

A resistor must be series-connected by the user. Resistor value = supply voltage - LED forward voltage LED forward current

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

MATERIALS

• Case: thermpoplastic UL94-V0

Plunger : polyamideBushing/bezel : brass, nickel

plated

Contacts: silver, gold platedMulti-wire lead AWG20,

section 0,6 mm²

• LED wire : AWG26, section 0,12 mm²
• Lens : polycarbonate

Terminal seal : epoxy

Dimensions: First dimensions are im 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 catalogue are subject to change without notice.

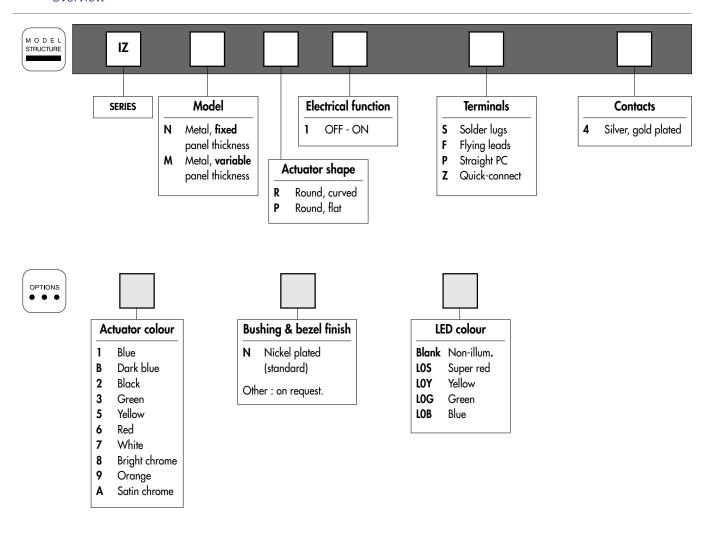
Downloaded from Elcodis.com electronic components distributor

APEM



Rear mounted sealed pushbutton switches - bushing Ø 16 - metal - latching

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:

- IZN: 1 castellated nickel plated brass nut U6911 + 1 O-ring

- IZM: 1 castellated nickel plated brass nut U6911 + 1 silicone flat seal + 1 hex nut 19 mm (.748) across flats U4116.

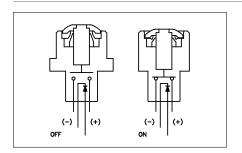


Packaging unit: 25 pieces for flying lead models - 40 pieces for other models

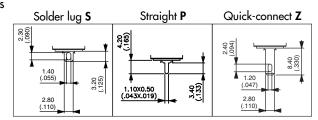


Rear mounted sealed pushbutton switches - bushing Ø 16 - metal - latching

Illuminated

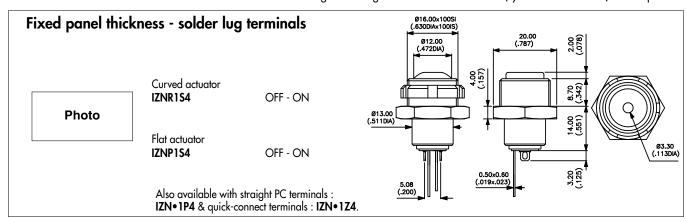


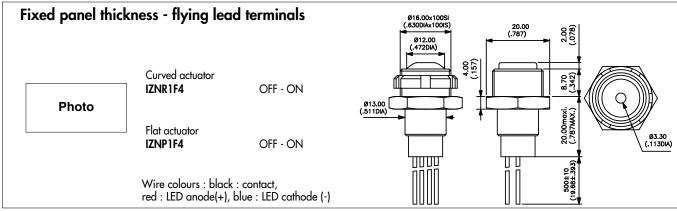
- Four LED colours
- Tin plated LED terminals
- Gold plated contacts

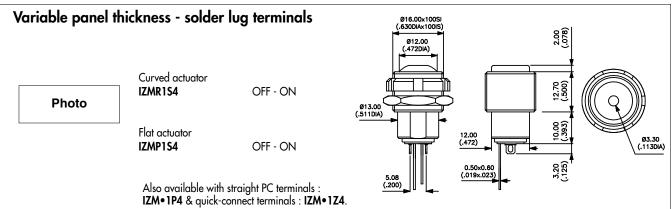




Plunger marking available on IZ•P models (symbol 10 mm max.). On request.



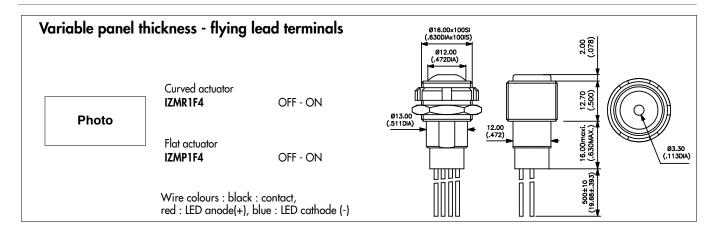






Rear mounted sealed pushbutton switches - bushing \emptyset 16 - metal - latching

Illuminated

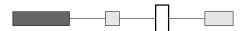


ACTUATOR COLOUR



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



N : nickel plated (standard) Other : on request.

LED COLOUR



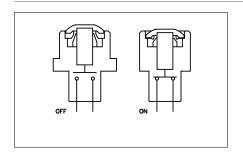
LOS: super red - LOY: yellow - LOG: green

LOB: blue

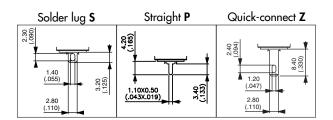


Rear mounted sealed pushbutton switches - bushing Ø 16 - metal - latching

Non-illuminated

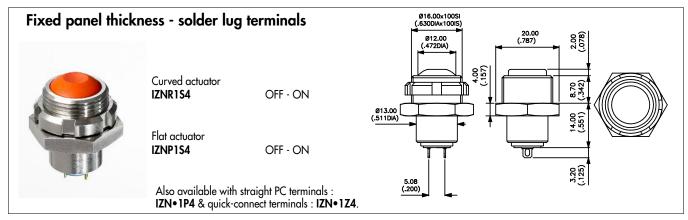


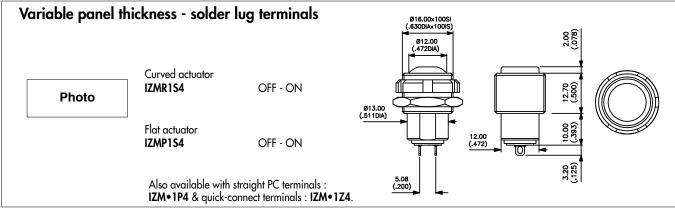
Gold plated contacts



MODEL STRUCTURE

Plunger marking available on IZ•P models (symbol 10 mm max.). On request.





For FLYING LEAD versions, refer to previous pages (illuminated models). Non-illuminated have 2 wires only.

ACTUATOR 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



N : nickel plated (standard) Other : on request.



Rear mounted sealed pushbutton switches - bushing Ø 16 - momentary

Distinctive features and specifications



ENVIRONMENTAL AND GENERAL SPECIFICATIONS

• Degree of protection: IP67 Temperature range: -40°C to +85°C
Total travel: 1,7 mm (.067)
Mechanical life: 1.000.000 cycles

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - Gold plated silver contacts (code 4) : 200mA 48VDC 200mA 250VAC
- Silver contacts (code 2) screw terminals : 2A 250VAC 4A 48VDC Electrical life at full load : 500.000 cycles
- Initial contact resistance : 100 m Ω max. • Insulation resistance : 1 $G\Omega$ min. at 500VDC
- Dielectric strength: 1.000 Vrms 50 Hz

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 (L0G)	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 = supply voltage - LED forward voltage LED forward current

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

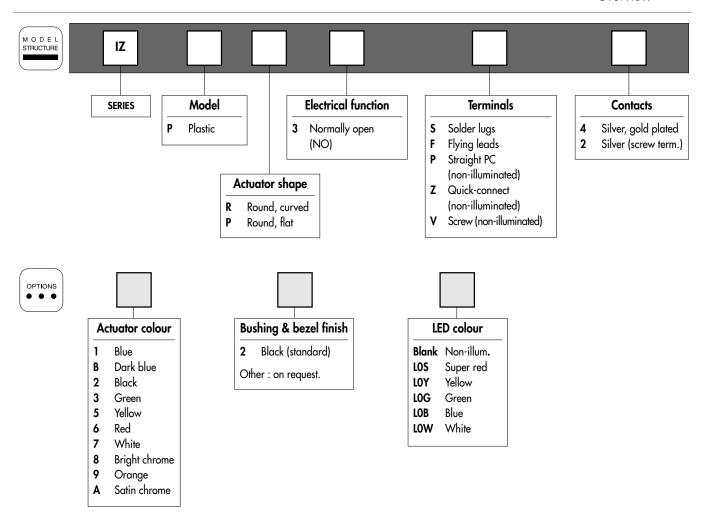
MATERIALS

- Case: thermoplastic UL94-V0
- Plunger : polyamideBushing/bezel : polyamide
- Contacts:
- 4 : silver, gold plated2 : silver (screw terminals)
- Multi-wire lead AWG20, section 0,6 mm²
- LED wire: AWG26, section 0,12 mm²
- Lens : polycarbonate
- Terminal seal : epoxy



Rear mounted sealed pushbutton switches - bushing Ø 16 - momentary

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: 1 castellated black plastic nut U4249 and 1 silicone flat seal.

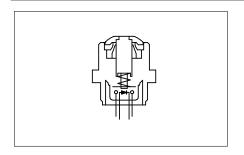


Packaging unit: 25 pieces for flying lead models - 40 pieces for other models

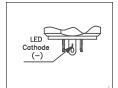


Rear mounted sealed pushbutton switches - bushing \emptyset 16 - momentary

Illuminated

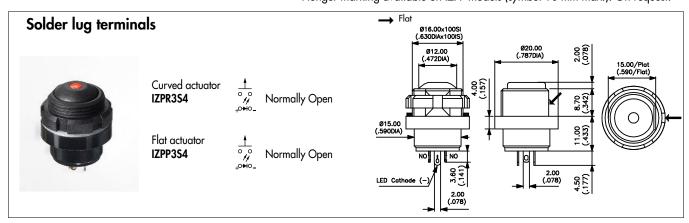


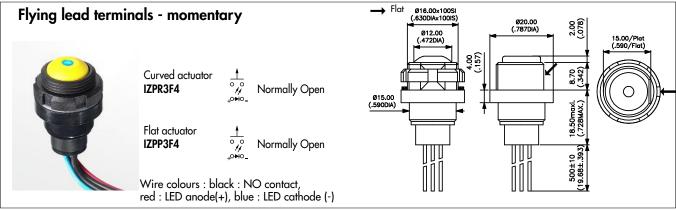
- Five LED colours
- Tin plated LED terminals
- Gold plated contacts



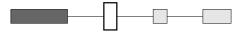






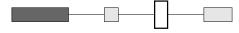


ACTUATOR COLOUR



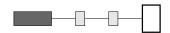
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BUSHING AND BEZEL COLOUR



2 : black (standard) Other : on request.

LED COLOUR



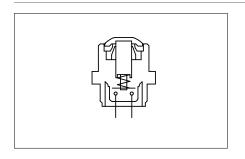
LOS: super red - LOY: yellow - LOG: green

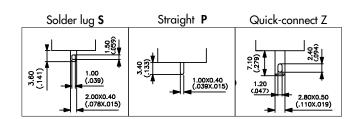
LOB: blue - LOW: white



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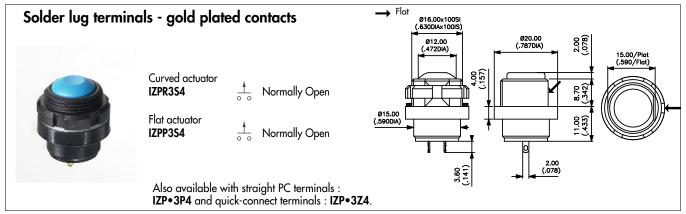
Non-illuminated





MODEL STRUCTURE

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



Sealed flying lead terminals - gold plated contacts

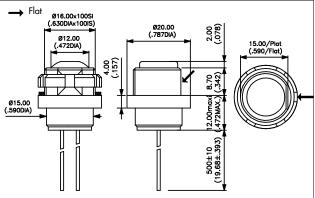


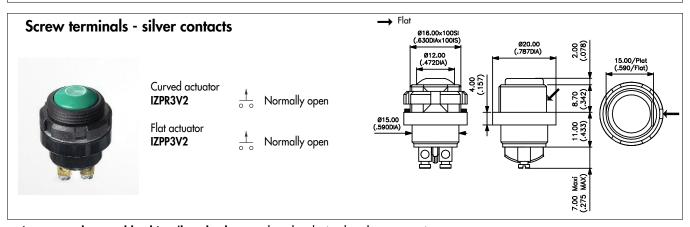
Curved actuator IZPR3F4

Flat actuator IZPP3F4

Normally Open

Normally Open





Actuator colour and bushing/bezel colour: select the desired codes on previous page.



Rear mounted sealed pushbutton switches - bushing Ø 16 - latching action

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• Max. current/voltage rating with resistive load : 100mA 24VDC - 200.000 cycles

• Initial contact resistance : $100 \text{ m}\Omega$ max.

• Insulation resistance : 1 $G\Omega$ min. at 500VDC • Dielectric strength: 1.500 Vrms between terminals

LED COMPONENT SPECIFICATIONS						
LED colour	Forward current	Typ. forward voltage	Max. forward voltage			
Super red (LOS)	20mA	1,95V	1,95V			
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Blue (LOB)	20mA	3.2V	4V			

A resistor must be series-connected by the user. Resistor value = supply voltage - LED forward voltage LED forward current

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

MATERIALS

• Case: thermoplastic UL94-V0

Plunger: polyamide
Bushing/bezel: polyamide
Contacts: silver, gold plated
Multi-wire lead AWG20,

section 0,6 mm² • LED wire : AWG26, section 0,12 mm²

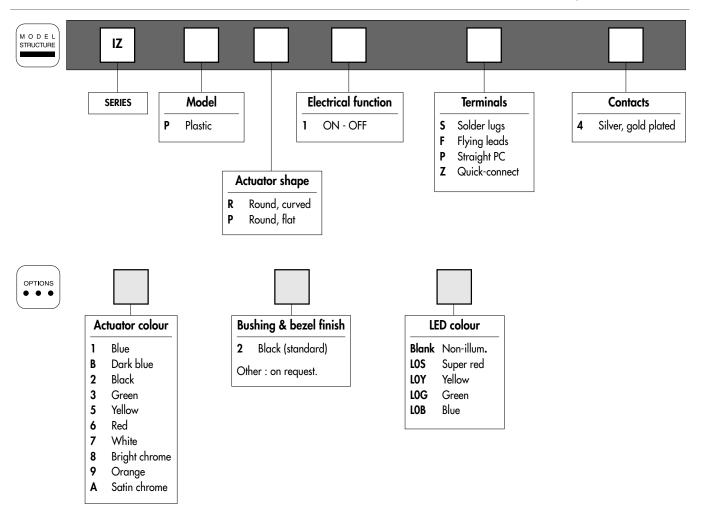
• Lens : polycarbonate

• Terminal seal : epoxy



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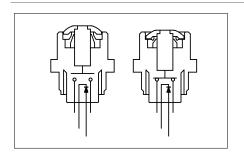


Packaging unit: 25 pieces for flying lead models - 40 pieces for other models

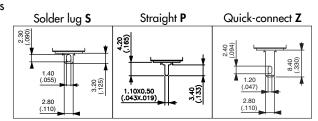


Rear mounted sealed pushbutton switches - bushing Ø 16 - latching action

Illuminated

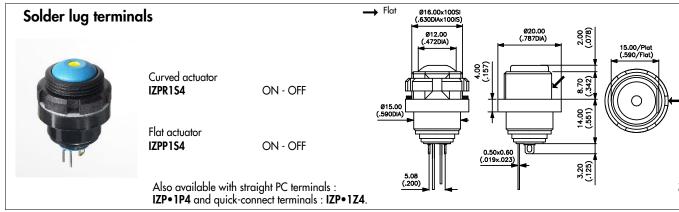


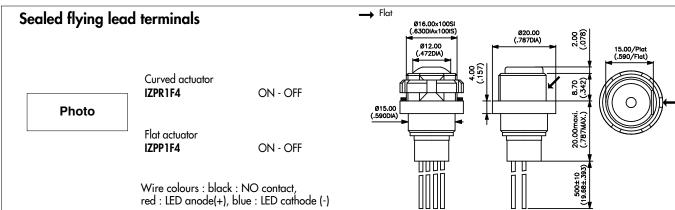
- Four LED colours
- Tin plated LED terminals
- Gold plated contacts



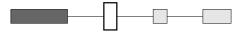


Plunger marking available on IZPP models (symbol 10 mm max.). On request.





ACTUATOR 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



2 : black (standard) Other : on request.

LED COLOUR



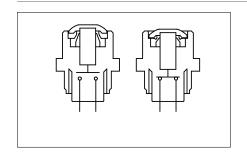
LOS: super red - LOY: yellow - LOG: green

LOB : blue

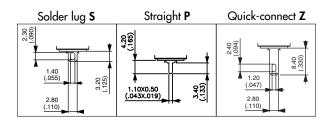


Rear mounted sealed pushbutton switches - bushing Ø 16 - latching action

Non-illuminated

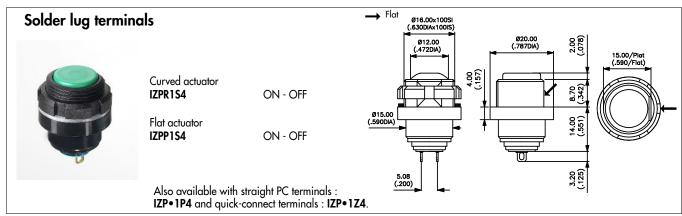


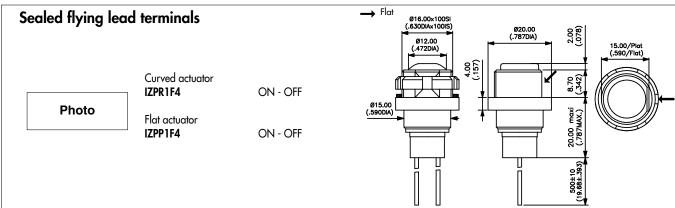
Gold plated contacts



MODEL STRUCTURE

Plunger marking available on IZPP models (symbol 10 mm max.). On request.





ACTUATOR COLOUR



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BUSHING AND BEZEL COLOUR



2 : black (standard) Other : on request.