

IZ series

Rear mounted sealed pushbutton switches •
bushing Ø 16 mm • latching



DISTINCTIVE FEATURES

Rear mounting for easier installation

Latching action models

Sealed to IP67

Illuminated or non-illuminated

Flat actuator for optional marking



ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing : IP67 according to IEC 60529
- Shock resistance : 100 g according to IEC 512-4, test 6c
- Vibration resistance : 10-500Hz - 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 :
100 mA 24 VDC - 200,000 cycles
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 1 GΩ min. at 500 VDC
- Dielectric strength : 1.500 Vrms 50 Hz between terminals



LED COMPONENT SPECIFICATIONS

LED color	Forward current	Typ. forward voltage	Max. forward voltage	A resistor must be series-connected by the user. Resistor value = $\frac{\text{supply voltage} - \text{LED forward voltage}}{\text{LED forward current}}$ On flying lead versions, the LED resistor can be integrated by APEM on request.
Super red (L0S)	20 mA	1.95 V	1.95 V	
Yellow (L0Y)	20 mA	2 V	2.05 V	
Green (L0G)	20 mA	2.1 V	2.5 V	
Blue (L0B)	20 mA	3.2 V	4 V	

The company reserves the right to change specifications without notice.

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GENERAL SPECIFICATIONS

- Panel thickness : 3 mm (.118) max.
- Total travel : 2.5 mm (.098) ± 0.3 mm
- Typical operating force : 5 N ± 2 N
- Low level or mechanical life : 200,000 cycles
- Torque : 0.7 Nm max. applied to nut
- Soldering : 320 °C (662 °F) max. for 3 sec.



MATERIALS

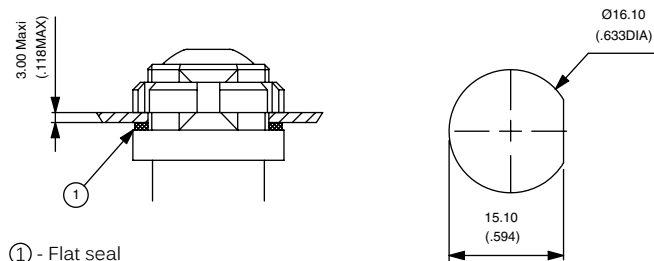
- Case : thermoplastic UL94-V0
- Plunger : polyamide
- Bushing/bezel : polyamide
- Contacts : silver, gold plated
- Multi-wire leads AWG20, section 0.6 mm²
- LED wire : AWG26, section 0.12 mm²
- Lens : polycarbonate
- Terminal seal : epoxy

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

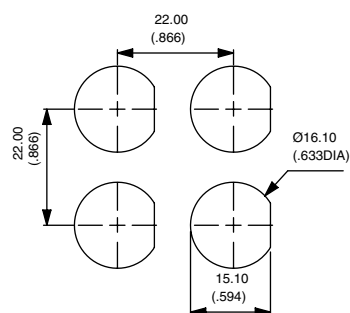


MOUNTING

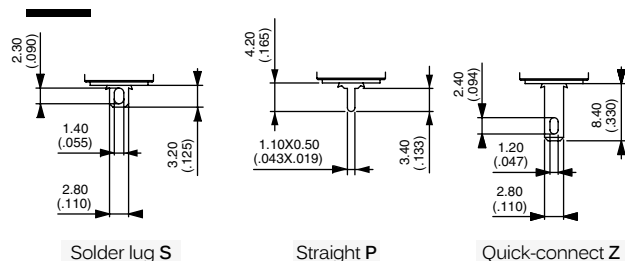
PANEL CUT-OUT



MATRIX MOUNTING

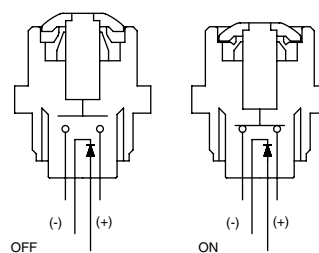


TERMINALS

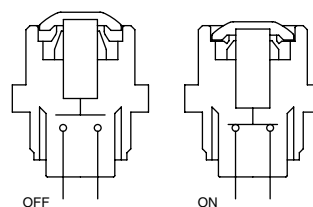


ELECTRICAL FUNCTIONS

ILLUMINATED MODELS



NON-ILLUMINATED MODELS

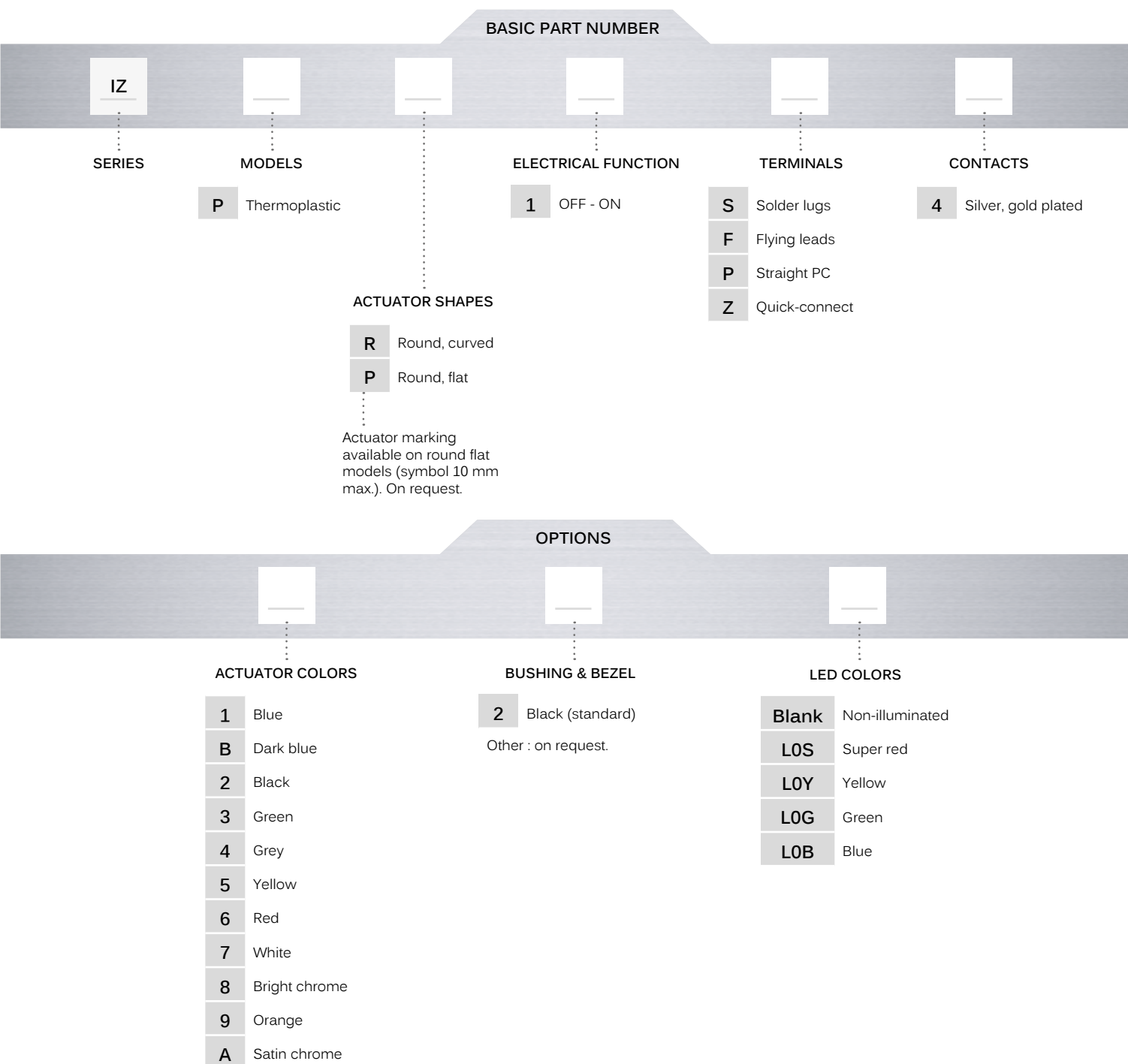


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BUILD YOUR PART NUMBER



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. See "Sealing Boots" section of website.



Mounting accessories : Standard hardware supplied : 1 castellated black plastic nut U4249 and 1 silicone flat seal.
Wrench tool available under P/N U4028. Order separately.

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ILLUMINATED - SOLDER LUG TERMINALS



Curved actuator

IZPR1S4

OFF - ON

Flat actuator

IZPP1S4

OFF - ON

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

ILLUMINATED - FLYING LEAD TERMINALS



Curved actuator

IZPR1F4

OFF - ON

Flat actuator

IZPP1F4

OFF - ON

Wire colors : black : NO contact, red : LED anode(+), blue : LED cathode (-)

NON- ILLUMINATED - SOLDER LUG TERMINALS



Curved actuator

IZPR1S4

OFF - ON

Flat actuator

IZPP1S4

OFF - ON

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

NON-ILLUMINATED - FLYING LEAD TERMINALS



Curved actuator

IZPR1F4

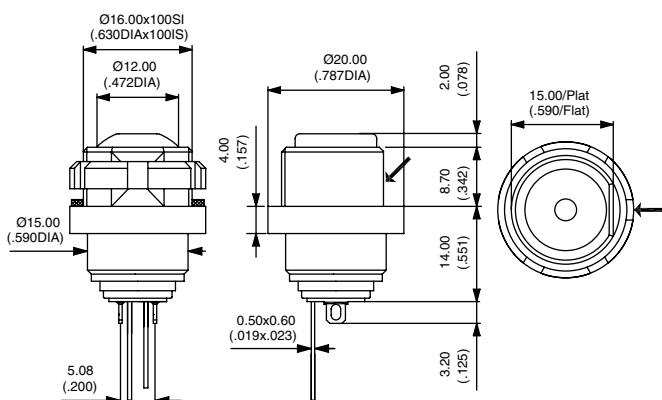
OFF - ON

Flat actuator

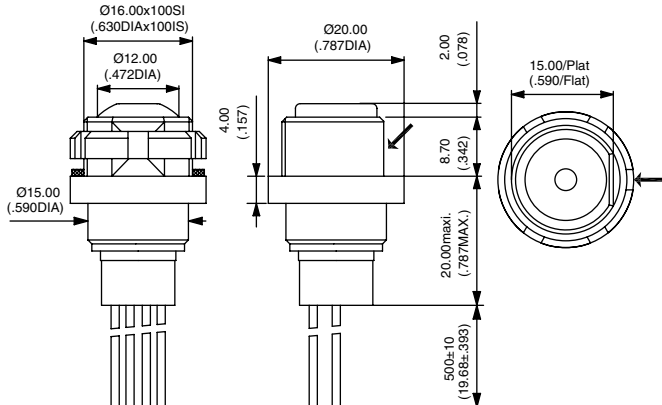
IZPP1F4

OFF - ON

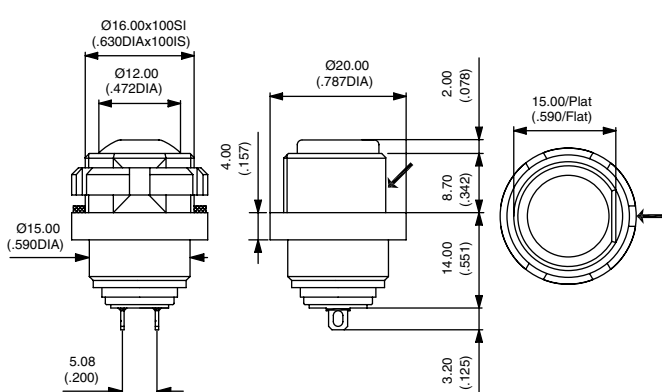
→ FLAT



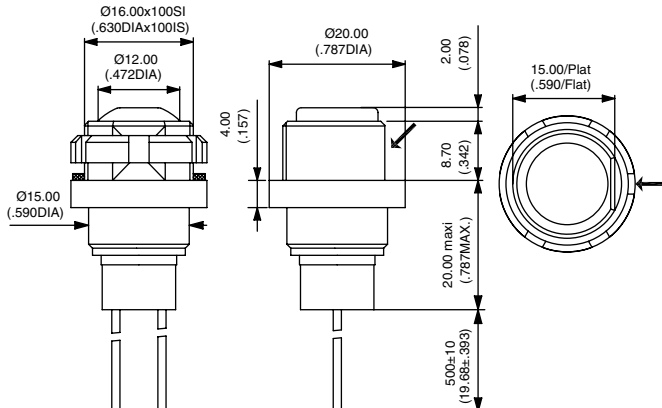
→ FLAT



→ FLAT



→ FLAT



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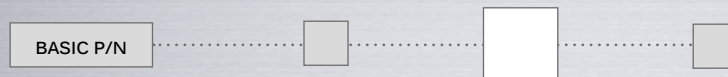
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ACTUATOR COLORS



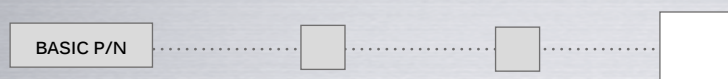
- 1 Blue
- B Dark blue
- 2 Black
- 3 Green
- 4 Grey
- 5 Yellow
- 6 Red
- 7 White
- 8 Bright chrome
- 9 Orange
- A Satin chrome

BUSHING AND BEZEL



- B Black (standard)
- Other : on request.

LED COLORS



- Blank Non-illuminated
- L0S Super Red
- L0Y Yellow
- L0G Green
- L0B Blue

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem:](#)

[IZPR1F422L0S](#) [IZPP3F422](#) [IZPR3S492](#) [IZPP3P422L0G](#)