IM series

Sealed snap-action pushbutton switches • bushing Ø 12 mm • momentary



DISTINCTIVE FEATURES

Snap-action : tactile feedback with audible click
High current/voltage rating
Sealed to IP67
Flat round actuator for optional marking
NO+NC



ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing : IP67 according to IEC 60529
- Shock resistance : 50 g - 11 ms according to IEC 68-2-27
- Salt spray : IEC 512-6, test 11f
- Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F)
- Storage temperature : -40 °C to +85 °C (-40 °F to +185 °F)

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load : 3 A 28 VDC
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 1 GΩ min. at 500 VDC
- Dielectric strength : 500 Vrms between terminals
- Electrical life at full load : 25,000 cycles

GENERAL SPECIFICATIONS

- Panel thickness : 1.5 mm (.059) to 10 mm (.394)
- Total travel : 1.7 mm (.067) ± 0.3 mm
- 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

MATERIALS

- Case : polyamide 4/6
- Actuator : polyamide 6/6
- Bushing/bezel : polyamide 6/6
- Contacts : silver, gold plated
- Terminal seal : epoxy

The company reserves the right to change specifications without notice.

IM series

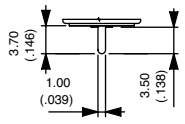
Sealed snap-action pushbutton switches • bushing Ø 12 mm • momentary

AGENCY APPROVAL

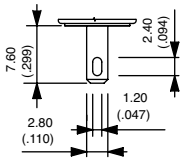
1 A 125 VAC/250 VAC
File E83438

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

TERMINALS

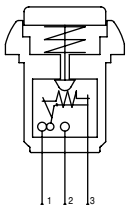


Straight **P**



Quick-connect **Z**

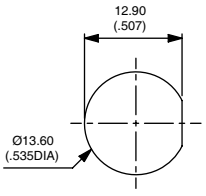
ELECTRICAL FUNCTIONS

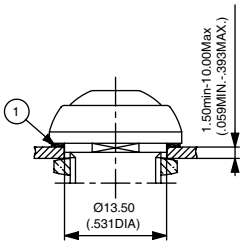


Function **7** (NC+NO)

MOUNTING STANDARD BEZEL

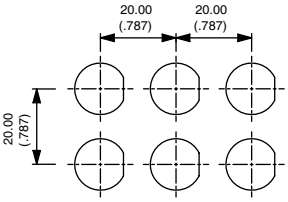
PANEL CUT-OUT





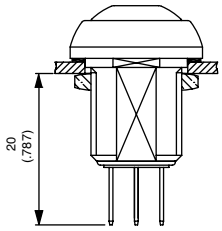
① - Flat seal

MATRIX MOUNTING



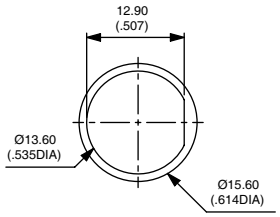
MOUNTING STANDARD BEZEL (CONTINUED)

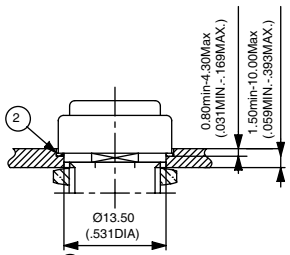
BACK OF PANEL SPACE REQUIREMENT



MOUNTING REDUCED BEZEL

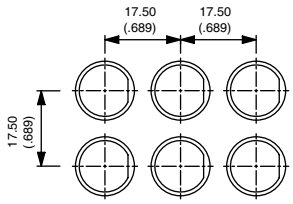
PANEL CUT-OUT

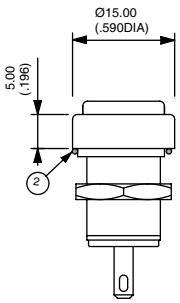




① - Flat seal

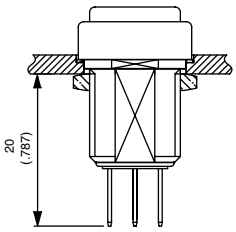
MATRIX MOUNTING





② - O-ring

BACK OF PANEL SPACE REQUIREMENT



IM series

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BUILD YOUR PART NUMBER

BASIC PART NUMBER

IM	_	_	_	_
SERIES	ACTUATOR SHAPES	ELECTRICAL FUNCTION	TERMINALS	CONTACTS

ACTUATOR SHAPES

R	Round, curved
P	Round, flat

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

ELECTRICAL FUNCTION

7	NC + NO

TERMINALS

P	Straight PC
Z	Quick-connect

CONTACTS

4	Silver, gold plated (standard)

OPTIONS

_	_	_	_	_
ACTUATOR COLORS	BUSHING & BEZEL	BEZEL OPTIONS	ACTUATOR OPTION	APPROVAL

ACTUATOR COLORS

1	Blue
B	Dark blue
2	Black
3	Green
4	Grey
5	Yellow
6	Red
7	White
9	Orange

BUSHING & BEZEL

2	Black

Other : on request

BEZEL OPTIONS

Blank	Standard bezel
075	Dia. 15 (.590) reduced bezel, front mounting
234	Dia. 15 (.590) reduced bezel, std mounting

ACTUATOR OPTION

Blank	Std actuator
104	High actuator

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 (standard bezel) or 1 O-ring (reduced bezel) and 1 metal hex nut 14 mm (.551) across flats. Hex nut part number U166. Plastic nut 17 mm (.669) across flats, thickness 4 mm (.157) available on request. Part number U4248.

IM series

Sealed snap-action pushbutton switches • bushing Ø 12 mm • momentary

STANDARD BEZEL
STRAIGHT PC TERMINALS

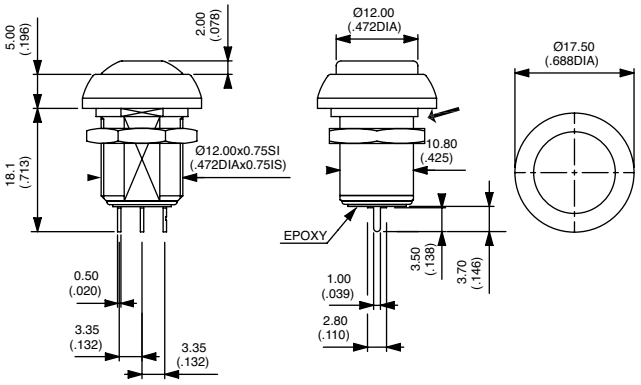


Curved actuator
IMR7P4 NC+NO

Flat actuator
IMP7P4 NC+NO

Common terminal identified by a horizontal dash

→ FLAT



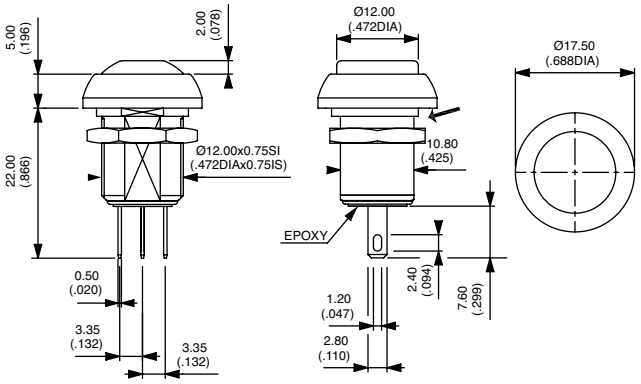
STANDARD BEZEL
QUICK-CONNECT TERMINALS



Curved actuator
IMR7Z4 NC+NO

Flat actuator
IMP7Z4 NC+NO

→ FLAT



ACTUATOR COLORS

BASIC P/N

1	Blue
B	Dark blue
2	Black
3	Green
4	Grey
5	Yellow
6	Red
7	White
9	Orange

BUSHING AND BEZEL

BASIC P/N

2	Black (standard)

Other : on request

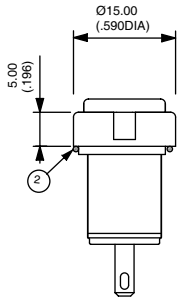
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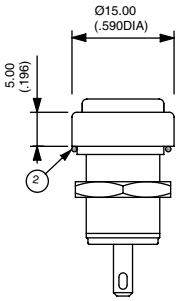
BEZEL OPTIONS

BASIC P/N

Blank Standard bezel
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



075

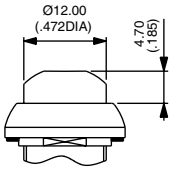


234

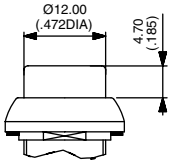
ACTUATOR OPTION

BASIC P/N

Blank Standard actuator
104 High actuator



104 IMR



104 IMP

AGENCY APPROVAL

BASIC P/N

UL

Availability : consult factory for details of approved models.

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