

NEW

FL.series pushbutton Ø12

ILLUMINATED and NON-ILLUMINATED



The EOZ FL.series, available in 12mm mounting hole sizes, is a unique high brightness full face illuminated switch range that includes a non-illuminated version as a plug-in replacement for competitor products.

These rugged plastic body switches have a superb tactile feedback, are sealed to IP67 and are available with high brightness single illumination. There is a choice of six different coloured switches.

Designed and manufactured in France, the switches have one normally open gold plated contact with a 5N actuation force and a travel of 2.3mm.

Mechanical life 1 Million actuations

- Full face illuminated switch
- Full IP67 front face sealing

Weld at the soldering iron 300°C (max), 3 seconds (max).

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Electrical life	500 000 cycles
Terminals type	Pin terminal (2.8x0.5mm)
Contact resistance	≤50mΩ
Insulation resistance	≥1000MΩ
Dielectric strength	2500VAC 50Hz 5 seconds
Contact travel	1.2 mm ±0.3 mm
Current rating (typical)	400mA at 32 VAC resistive 100mA at 50 VDC resistive 125mA at 125 VAC resistive
Voltage LED	5V
Current LED	65 mA (max)

MECHANICAL CHARACTERISTICS

The front shape	Domed
Contact function	Momentary
Contact arrangement	1NO
Mechanical lifetime	1,000,000 cycles
Panel thickness	1 to 6 mm
Torque	0.3 Nm
Actuating force	5 N ±30%
Operation travel	2.3 mm ±0.3

ENVIRONMENTAL CHARACTERISTICS

IK shock resistance. (EN 50102)	IK06 (front face)
Ingress protection	IP67 (front face)
Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Saline mist	48 hours
Cyclic temperature / humidity test «Z/AD» (CEI 6068-2-38)	240 hours (cycles of -10°C in 65°C / 93% humidity)

STANDARD PART NUMBERS

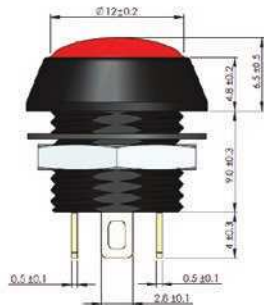
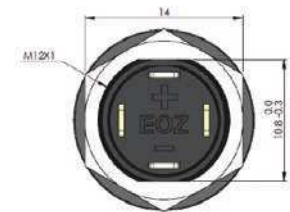
ILLUMINATED



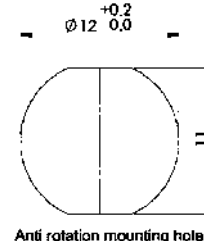
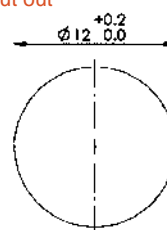
NON-ILLUMINATED



Ø12 mm



Panel cut out



Anti rotation mounting hole

Further options and information available: www.eozonline.com

C1

*Fast tactile sensation «5N», The contact is made by the reversal of a membrane helped by a spring.

NEW

FL-series pushbutton Ø13.5 mm

ILLUMINATED and NON-ILLUMINATED



The EOZ FL-series available in 13.5mm mounting hole sizes is a unique high brightness full face illuminated switch range that includes a non-illuminated version as a plug-in replacement for competitor products.

These rugged plastic body switches have a superb tactile feedback, are sealed to IP67 and are available with high brightness single illumination. There is a choice of six different coloured switches.

Designed and manufactured in France, the switches have one normally open gold plated contact with a 5N actuation force and a travel of 2.3 mm.

Mechanical life 1 Million actuations

- Full face illuminated switch
- Full IP67 front face sealing

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ELECTRICAL SPECIFICATIONS

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MECHANICAL CHARACTERISTICS

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ENVIRONMENTAL CHARACTERISTICS

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STANDARD PART NUMBERS

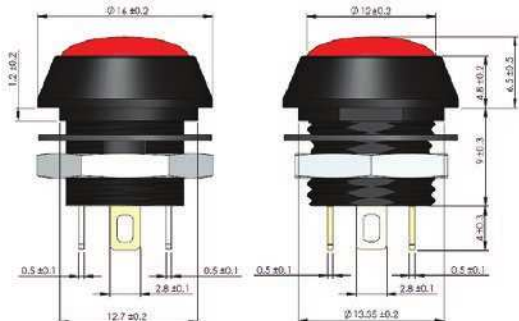
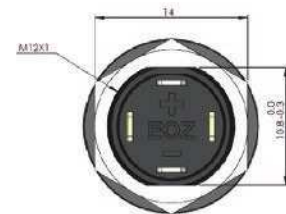
ILLUMINATED



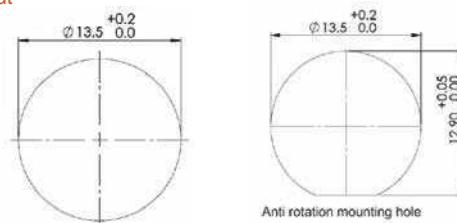
NON-ILLUMINATED



Ø13.5 mm



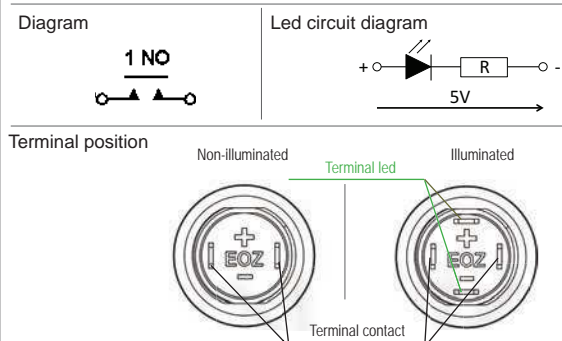
Panel cut out



Further options and information available: www.eozonline.com

Switching Operation

Double-break and fast-action*



*Fast tactile sensation «5N». The contact is made by the reversal of a membrane helped by a spring.

C2

NEW

FL-series pushbutton Ø12 and Ø13.5

DUAL-COLOR ILLUMINATED



The unique high brightness full face illuminated of EOZ FL-series is also available in Dualcolor with white translucent lenses for the version 12mm and 13.5mm mounting hole sizes.

The Dualcolor FL series allows our customer to immediately display a change in status or function. As standard, we have a mix of Red, Blue and Green version but we can offer more colour and combination on demand.

Mechanical life 1 Million actuations

- Full face illuminated switch
- Full IP67 front face sealing

Weld at the soldering iron 300°C (max), 3 seconds (max).

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

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	125mA at 125 VAC resistive
Voltage LED	5V
Current LED	65 mA (max)

MECHANICAL CHARACTERISTICS

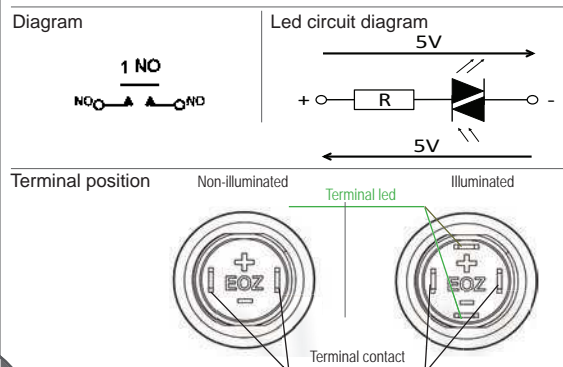
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Contact function	Momentary
Contact arrangement	1NO
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Switching Operation

Double-break and fast-action*



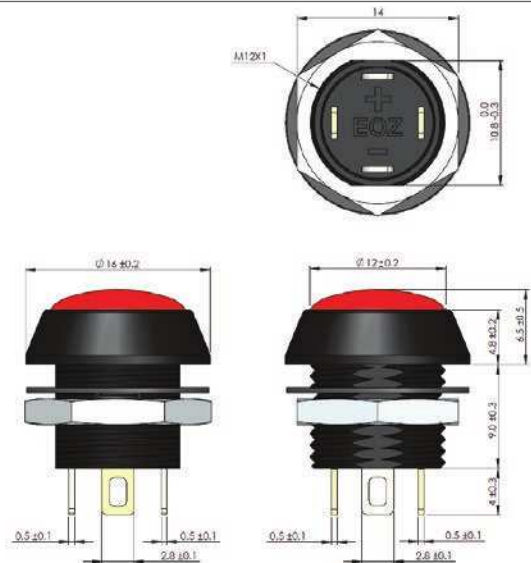
STANDARD PART NUMBERS

Pushbutton Ø12	Pushbutton Ø13.5	Illumination color	Illumination color
FL12DGB5	FL13DGB5	Blue or Green**	
FL12DRB5	FL13DRB5	Blue or Red**	
FL12DRG5	FL13DRG5	Green or Red**	

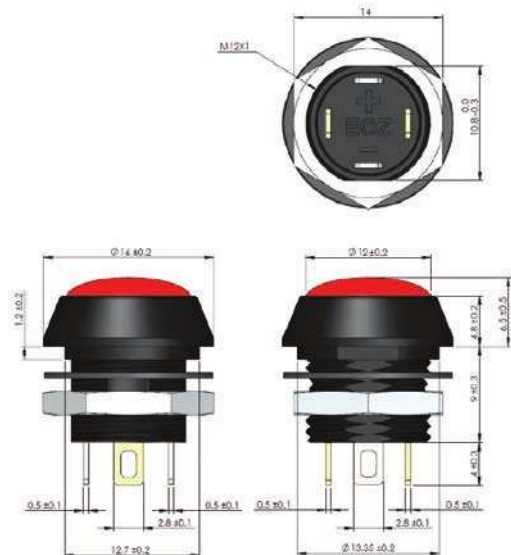
** inverted polarity

Other led colors upon request

Ø12 mm



Ø13.5 mm



*Fast tactile sensation «5N», The contact is made by the reversal of a membrane helped by a spring.

NEW

FL.series range

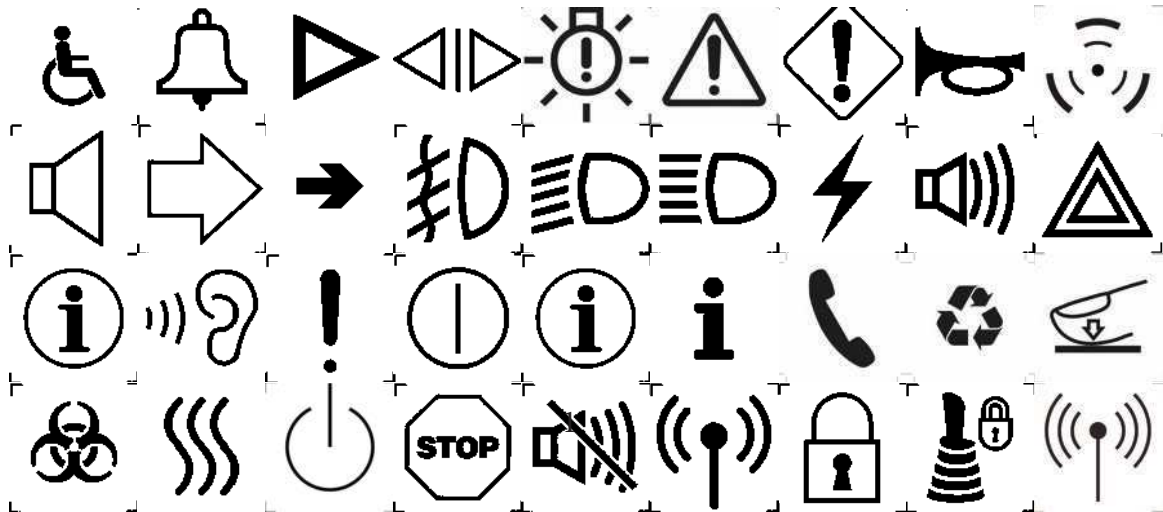
CUSTOMIZED LASER SYMBOLS



MARKING



Laser marking



AVAILABLE SOON:

- IP68 and IP69K protection cap
- RGB Illumination
- UV Printing
- Cristal body
- Indicator range



Cristal body



Protection cap



UV Printing