

Illuminated pushbutton Ø 22 mm silver contact

82-6151.1133.B002



<https://eao.com/p/82-6151.1133.B002>

Your product:



82-6151.1133.B002
Illuminated pushbutton Ø
22 mm silver contact

FRONT

Front bezel material: Stainless steel

Front bezel shape: flush

MOUNTING

Mounting cut-out: Ø 22 mm

OPERATING-/INDICATION PART

Lens optics: opaque

Shape of illumination: Ring

Lens illumination: illuminative

Illumination colour: Green

Lens material: Stainless steel

Lens colour: Silver

Lens shape: flush

Symbol: Standby

ELECTRICAL CHARACTERISTICS

Thermal current I_{th}: 5 A

Rated Operational Voltage U_e: 250 VAC

Operating voltage: 12 V AC/DC

Pollution degree: 2, according to EN IEC 60947-1

Switching voltage and switching current:

according to IEC 60947-5-1 (Silver contacts)	
Service categorie AC-15	
Voltage	Current
24 VAC	1 A
35 VAC	1 A (M12 version)
110 VAC	1 A
220 VAC	0.5 A
Switch rating DC service categorie DC-13 (Silver contacts)	
Voltage	Current
24 VDC	0.7 A
35 VDC	0.5 A (M12 version)
110 VDC	0.2 A
220 VDC	0.1 A

according to UL 508 (Silver contacts)	
cosφ 0,75 ... 0,8	
Voltage	Current
120 VAC	5 A
240 VAC	3 A
24 VAC	1 A

Electric strength:	1500 VAC, 50 Hz 1 minute between life terminals and ground
Contacts:	1 C
Electrical lifetime:	50 000 cycles of operation
Rated insulation voltage Ui:	250 V

MECHANICAL CHARATERISTIC

Switching action:	Momentary
Mechanical lifetime:	1 Mio. cycles of operation
Contact material:	Silver
Tightening torque:	0.5 ... 0.6 Nm
Terminal:	Soldering terminal, 2.8 x 0.5 mm
Weight:	0.018 kg
Operating force:	4 N ... 7 N
Operating Travel:	ca. 3 mm
Switching system:	Snap-action switching element

AMBIENT CONDITION

Shock resistance:	Max. 500 m / s ² as per IEC 60068-2-27
Vibration resistance:	10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6
Operating temperature:	– 30 °C ... + 70 °C
Storage temperature:	– 40 °C ... + 80 °C
Climate resistance:	

IP front protection: IP65, IP67

Approbations: CB, CCC, C UL, UL

OTHER

Kind of illumination: Single-LED

The diagram shows a photoconductive cell (E) connected to a relay (C). The relay has three terminals: NC (Normally Closed), NO (Normally Open), and C (Common). The NC terminal is connected to the positive terminal (+/-) of a photodiode array. The NO terminal is connected to the negative terminal (-/+). The C terminal is connected to the positive terminal (+/-) of a photodiode array. The photodiode array consists of two diodes connected in series, with their common cathode connected to the negative terminal (-/+).

A circular diagram representing a cell. It has an outer ring and an inner circle. Inside the inner circle, there are three electrodes represented by small rectangles. At the top is a rectangle labeled 'NC'. At the bottom is a rectangle labeled 'C'. In the center is a rectangle with a '-' sign to its left and a '+' sign to its right.

Technical drawing of the M22x1mm connector. The side view shows a cylindrical body with a diameter of $\varnothing 25$ mm. The length of the main body is 33.5 mm max. The total length, including the mounting flange, is 37.5 mm max. The mounting flange has a thickness of 2 mm. The end view shows the connector's profile with a central pin and a side pin, labeled A and B respectively. The pin diameter is 8 mm max. The connector is labeled M22x1mm.

A = Solder terminal
B = Screw terminal

Mounting cut-outs:

