

## Illuminated pushbutton Ø 19 mm silver contact

82-5151.2123.B001



<https://eao.com/p/82-5151.2123.B001>

Your product:

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82-5151.2123.B001  
Illuminated pushbutton Ø  
19 mm silver contact

#### FRONT

Front form:	round
Front bezel material:	Stainless steel
Front bezel shape:	flush
Front dimension:	Ø 22 mm

#### MOUNTING

Mounting cut-out:	Ø 19 mm
Mounting type:	Panel mounting

#### OPERATING-/INDICATION PART

Illumination colour:	Blue
Lens colour:	Silver
Lens illumination:	illuminative
Symbol:	ON/OFF
Lens shape:	flush
Shape of illumination:	Ring
Lens material:	Stainless steel
Lens optics:	opaque

#### ELECTRICAL CHARACTERISTICS

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

<b>Thermal current Ith:</b>	5 A
<b>Operating voltage:</b>	12 V AC/DC
<b>Rated insulation voltage Ui:</b>	250 V
<b>Operation current:</b>	7 mA
<b>Electric strength:</b>	1500 VAC, 50 Hz 1 minute between life terminals and ground
<b>Contacts:</b>	1 C
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Rated Operational Voltage Ue:</b>	250 VAC
<b>Pollution degree:</b>	2, according to EN IEC 60947-1

## MECHANICAL CHARATERISTIC

<b>Mechanical lifetime:</b>	500 000 cycles of operation
<b>Operating Travel:</b>	ca. 3 mm
<b>Contact material:</b>	Silver
<b>Terminal:</b>	Soldering terminal, 2.8 x 0.5 mm
<b>Switching system:</b>	Snap-action switching element
<b>Operating force:</b>	4 N ... 7 N
<b>Tightening torque:</b>	0.5 ... 0.6 Nm
<b>Switching action:</b>	Maintained
<b>Weight:</b>	0.018 kg

## AMBIENT CONDITION

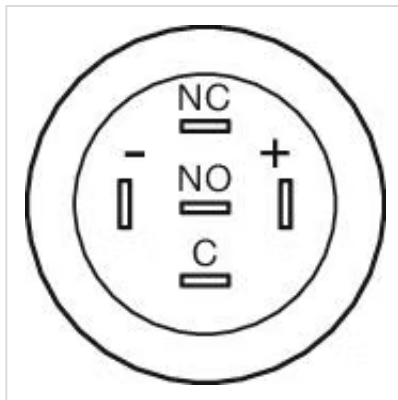
<b>IP front protection:</b>	IP65, IP67
<b>Shock resistance:</b>	Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27
<b>Climate resistance:</b>	Damp heat, 21 days according to IEC 60512-11
<b>Vibration resistance:</b>	10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6
<b>Storage temperature:</b>	– 40 °C ... + 80 °C
<b>Operating temperature:</b>	– 30 °C ... + 70 °C

## CERTIFICATE

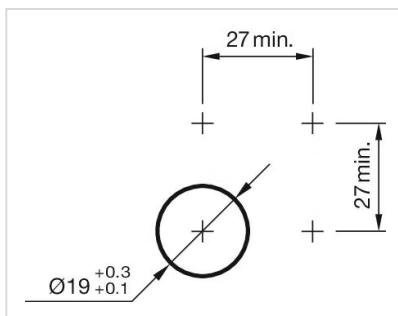
<b>Approbations:</b>	CB, CCC, C UL, UL
<b>Conformities:</b>	CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

## OTHER

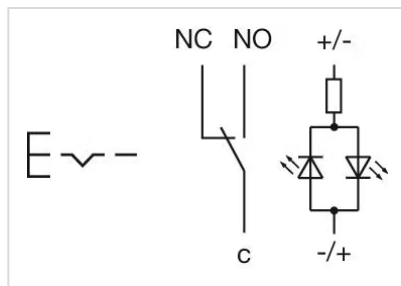
<b>Kind of illumination:</b>	Single-LED
<b>Short Description:</b>	Illuminated pushbutton Ø 19 mm silver contact, Maintained, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, round, Stainless steel, Blue, ON/OFF, Silver
<b>Component layouts:</b>	



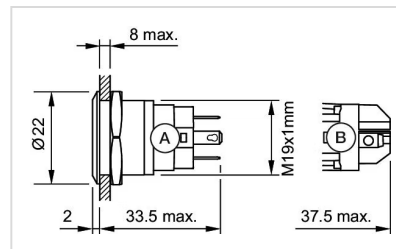
## Mounting cut-outs:



## Wiring diagrams:



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal