

# Illuminated push button Ø 19 mm silver contact

Distribution by  
Farnell



82-5551.1113



<https://farnell.eao.com/component/82-5551.111...>

Your product:

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82-5551.1113  
Illuminated push button Ø  
19 mm silver contact

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#### FRONT

<b>Front dimension:</b>	Ø 22 mm
<b>Front form:</b>	Round
<b>Front bezel material:</b>	Aluminium
<b>Front bezel shape:</b>	Flush

#### MOUNTING

<b>Mounting cut-out:</b>	Ø 19 mm
<b>Mounting type:</b>	Panel mounting

#### OPERATING-/INDICATION PART

<b>Lens colour:</b>	Nature
<b>Lens material:</b>	Aluminium
<b>Lens illumination:</b>	Illuminated
<b>Lens shape:</b>	Flush
<b>Lens optics:</b>	opaque
<b>Illumination colour:</b>	Red
<b>Shape of illumination:</b>	Ring

#### ELECTRICAL CHARACTERISTICS

<b>Switching voltage and switching current:</b>
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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)

$\cos\phi$  0,75 ... 0,8

Voltage	Current
120 VAC	5 A
240 VAC	3 A
24 VAC	1 A

<b>Contacts:</b>	1 C
<b>Operating voltage:</b>	12 V AC/DC
<b>Operation current:</b>	7 mA
<b>Rated Operational Voltage Ue:</b>	250 VAC
<b>Rated insulation voltage Ui:</b>	250 V
<b>Switching rating:</b>	240 V
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Electric strength:</b>	1500 VAC, 50 Hz 1 minute between life terminals and ground
<b>Pollution degree:</b>	2, according to EN IEC 60947-1
<b>Thermal current Ith:</b>	5 A

## MECHANICAL CHARACTERISTICS

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

## AMBIENT CONDITION

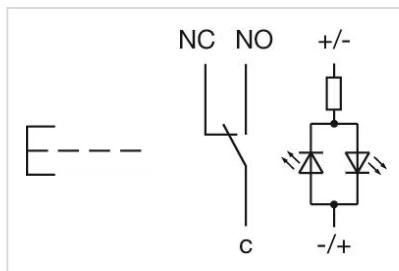
<b>IP front protection:</b>	IP65, IP67
<b>Operating temperature:</b>	– 30 °C ... + 70 °C
<b>Storage temperature:</b>	– 40 °C ... + 80 °C
<b>Shock resistance:</b>	Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27
<b>Vibration resistance:</b>	10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6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

## CERTIFICATE

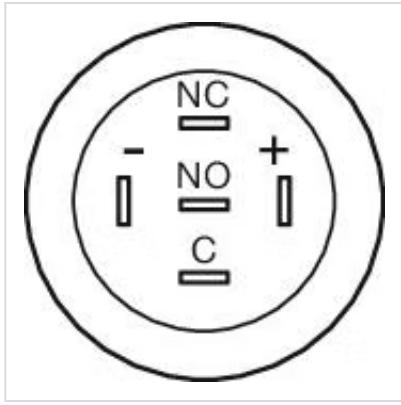
<b>Approbations:</b>	CB, CCC, C UL, UL
<b>Conformities:</b>	CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

## OTHER

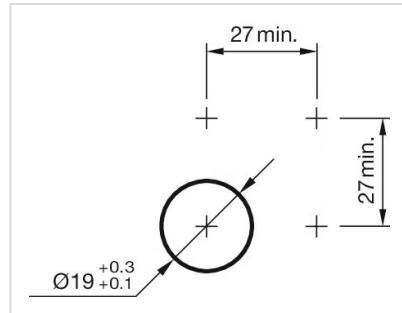
<b>Short Description:</b>	Illuminated push button Ø 19 mm silver contact, Momentary, 240 V, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Aluminium, Red, Nature
<b>Kind of illumination:</b>	Single-LED



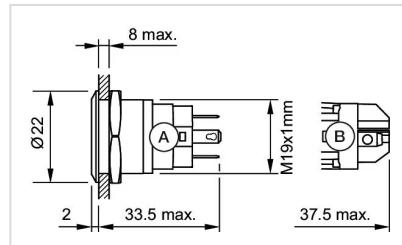
## Component layouts:



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal