

# Illuminated pushbutton

K14-131.121022

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## K14-131.121022 Illuminated pushbutton

### MOUNTING

**Mounting cut-out:** Ø 22.3 mm

### OPERATING-/INDICATION PART

**Lens material:** Plastic

**Lens colour:** Yellow

**Illumination colour:** Yellow

**Lens illumination:** illuminative

**Lens shape:** raised

**Lens optics:** transparent

### ELECTRICAL CHARACTERISTICS

**Operation current:** 7/14 mA ±15 %

**Contacts:** 1 NC / 1 NO

**Electrical lifetime:** 50 000 cycles of operation

**Switching voltage and switching current:**  
250 VAC, 5 A (ohmic)  
250 VAC, 3 A (Soldering terminal)  
250 VAC, 2 A (inductive,  $\cos(\phi) = 0.7$ )  
220 VDC, 0.1 A (inductive, L:R = 30 ms)  
110 VDC, 0.2 A (inductive, L:R = 30 ms)  
60 VDC, 0.7 A (inductive, L:R = 30 ms)  
24 VDC, 2 A (inductive, L:R = 30 ms)

**Rated Operational Voltage Ue:** 250 VAC/DC according to EN IEC 61058-1

**Standards:** According to EN/IEC 61058-1

**Operating voltage:** 28 V AC/DC

**Thermal current Ith:** 3 A

**Electric strength:**

3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1

## MECHANICAL CHARACTERISTIC

<b>Tightening torque:</b>	Fixing nut max. 0.25 Nm
<b>Switching action:</b>	Momentary
<b>Mechanical lifetime:</b>	2 Mio. cycles of operation
<b>Contact material:</b>	Gold-plated silver
<b>Wire cross section:</b>	Max. wire diameter 2 wires à 1.2 mm Max. wire cross-section of stranded cable 1 x 1 mm <sup>2</sup>
<b>Operating Travel:</b>	3 mm
<b>Weight:</b>	0.021 kg
<b>Operating force:</b>	3 N ... 6 N
<b>Switching system:</b>	Snap-action switching element
<b>Terminal:</b>	Soldering terminal

## AMBIENT CONDITION

<b>IP front protection:</b>	IP67, according to DIN EN 60529
<b>Climate resistance:</b>	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30
<b>Vibration resistance:</b>	Max. 100 m / s <sup>2</sup> from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
<b>Storage temperature:</b>	- 40 °C ... + 85 °C
<b>Operating temperature:</b>	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
<b>Shock resistance:</b>	Max. 150 m / s <sup>2</sup> , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

## CERTIFICATE

<b>Approbations:</b>	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE
<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

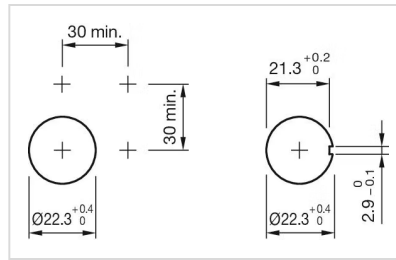
## OTHER

<b>max. number of switching elements:</b>	1
<b>Housing colour:</b>	Black
<b>Short Description:</b>	

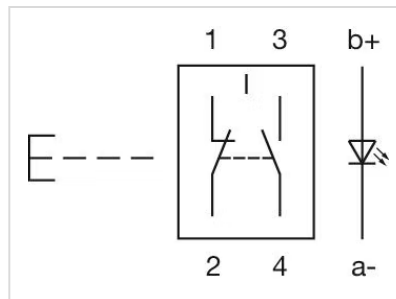
Illuminated pushbutton, Momentary, 250 V AC @ 5 A, 28 V AC/DC, 1 NC / 1 NO, Soldering terminal, Yellow, Yellow

**Housing material:** Plastic

**Mounting cut-outs:**



**Wiring diagrams:**



**Dimension drawings:**

