

# Illuminated push button

K14-131.121051

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## K14-131.121051 Illuminated push button

### PRODUCT RANGE

**Product Status:** Phase-out

### FRONT

**Front dimension:** Ø 29 mm

**Front form:** Round

### MOUNTING

**Mounting cut-out:** Ø 22.3 mm

**Mounting type:** Panel mounting

### OPERATING-/INDICATION PART

**Lens colour:** Red

**Lens material:** Plastic

**Lens illumination:** Illuminated

**Lens shape:** Raised

**Lens optics:** transparent

**Illumination colour:** Red

### ELECTRICAL CHARACTERISTICS

**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)

<b>Contacts:</b>	1 NC / 1 NO
<b>Operating voltage:</b>	24 V AC/DC
<b>Operation current:</b>	2.5/5 mA $\pm 15$ %
<b>Rated Operational Voltage Ue:</b>	250 VAC/DC according to EN IEC 61058-1
<b>Switching rating:</b>	250 V AC @ 3 A
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Electric strength:</b>	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
<b>Standards:</b>	According to EN/IEC 61058-1
<b>Thermal current Ith:</b>	3 A

#### MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Soldering terminal
<b>Contact material:</b>	Gold-plated silver
<b>Switching action:</b>	Momentary
<b>Switching system:</b>	Snap-action switching element
<b>Mechanical lifetime:</b>	2 Mil. cycles of operation
<b>Operating force:</b>	3 N ... 6 N
<b>Operating Travel:</b>	3 mm
<b>Tightening torque:</b>	Fixing nut max. 0.25 Nm
<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>Weight:</b>	0.021 kg

#### AMBIENT CONDITION

<b>IP front protection:</b>	IP67, according to DIN EN 60529
<b>Operating temperature:</b>	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
<b>Storage temperature:</b>	- 40 °C ... + 85 °C
<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)

**Vibration resistance:** Max. 100 m / s<sup>2</sup> from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)

**Climate resistance:** Standard condition, as per DIN EN 60068-2-78  
Standard cyclic, as per DIN IEC 60068-2-30

### CERTIFICATE

**Approbations:** CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE

**Conformities:** CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

**REACH:** REACH compliant

**RoHS:** RoHS compliant

### OTHER

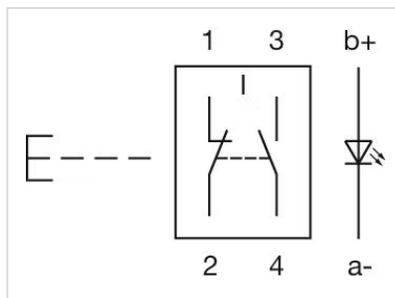
**Short Description:** Illuminated push button, Momentary, 250 V AC @ 3 A, 24 V AC/DC, 1 NC / 1 NO, Soldering terminal, Round, Red, Red

**Housing colour:** Black

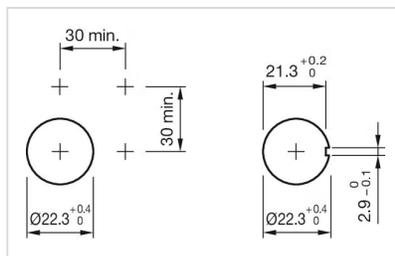
**Housing material:** Plastic

**max. number of switching elements:** 1

**Wiring diagrams:**



**Mounting cut-outs:**



**Dimension drawings:**

