

# Illuminated pushbutton

K14-131.221081

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## K14-131.221081 Illuminated pushbutton

### FRONT

**Front dimension:** Ø 35 mm

**Front form:** Round

### MOUNTING

**Mounting cut-out:** Ø 30.5 mm

**Mounting type:** Panel mounting

### OPERATING-/INDICATION PART

**Lens colour:** Green

**Lens material:** Plastic

**Lens illumination:** Illuminated

**Lens shape:** Flush

**Lens optics:** transparent

**Illumination colour:** Green

### 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)

**Contacts:** 1 NC / 1 NO

**Operating voltage:** 24 V AC/DC

**Operation current:** 4/7 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>Protection class:</b>             | II   |
| <b>Standards:</b>                    | According to EN/IEC 61058-1  |
| <b>Thermal current Ith:</b>          | 3 A  |

### MECHANICAL CHARACTERISTIC

|                             |  |
|-----------------------------|--|
| <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<br>Max. wire cross-section of stranded cable 1 x 1 mm <sup>2</sup> |
| <b>Weight:</b>              | 0.031 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) |
| <b>Vibration resistance:</b>  | Max. 100 m / s <sup>2</sup> from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)                    |
| <b>Climate resistance:</b>    | Standard condition, as per DIN EN 60068-2-78<br>Standard cyclic, as per DIN IEC 60068-2-30          |

### CERTIFICATE

|                      |  |
|----------------------|--|
| <b>Approbations:</b> | 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**

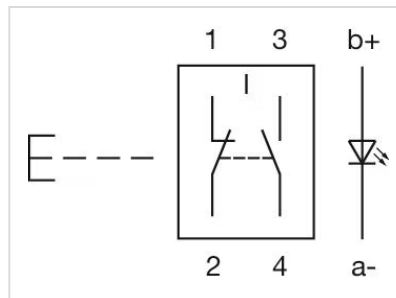
**Short Description:** Illuminated pushbutton, Momentary, 250 V AC @ 3 A, 24 V AC/DC, 1 NC / 1 NO, Soldering terminal, Round, Green, Green

**Housing colour:** Black

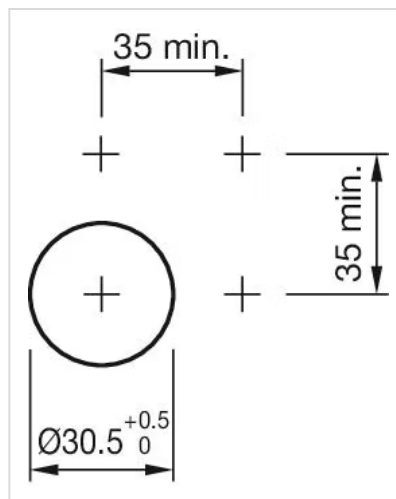
**Housing material:** Plastic

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

**Wiring diagrams:**



**Mounting cut-outs:**



**Dimension drawings:**

