

## Illuminated pushbutton

K14-131.111101







# K14-131.111101 Illuminated pushbutton

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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: illuminative

Lens shape: flush

Lens optics: transparent

Illumination colour: Red

#### **ELECTRICAL CHARACTERISTICS**

Contacts: 1 NC / 1 NO

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

**Operation current:** 2,5/5 mA  $\pm$ 15 %

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

Switching rating: 250 V AC @ 3 A

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

Electric strength: 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC

61058-1

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

Thermal current Ith: 3 A

#### **MECHANICAL CHARATERISTIC**

**Terminal:** Plug-in terminal, 2.8 x 0.5 mm

Contact material: Gold-plated silver

Switching action: Momentary

Switching system: Snap-action switching element

Switching system: Self-cleaning, double-break snap action switching system (contact opening width 2

mm x 1.5 mm).

**Mechanical lifetime:** 2 Mio. cycles of operation

**Operating force:** 3 N ... 6 N

Operating Travel: 3 mm

**Tightening torque:** Fixing nut max. 0.25 Nm

Wire cross section: Max. wire cross-section 2 wires with 1 mm

Max. wire cross-section of stranded cable 2 of 0.75 mm<sup>2</sup> or 1 x 1.0 mm<sup>2</sup>

**Weight:** 0.021 kg

#### **AMBIENT CONDITION**

**IP front protection:** IP67, according to DIN EN 60529

Operating temperature: - 25 °C, mounted as a block, make sure the heat can escape freely

Storage temperature:  $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$ 

**Shock resistance:** Max. 150 m / s², pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-

2-27)

**Vibration resistance:** Max. 100 m / s² 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**

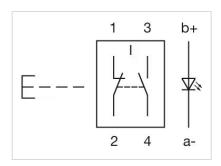
Short Description: Illuminated pushbutton, Momentary, 250 V AC @ 3 A, 24 V AC/DC, 1 NC / 1 NO,

Plug-in terminal, 2.8 x 0.5 mm, round, Red, Red

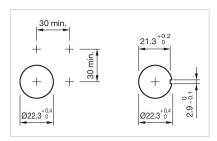
Housing colour: Black

Housing material: Plastic

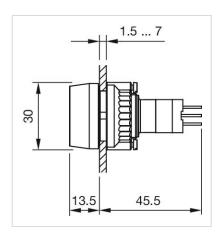
Wiring diagrams:



Mounting cut-outs:



Dimension drawings:



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