

Illuminated pushbutton

K14-131.121041

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Your product:



K14-131.121041 Illuminated pushbutton

MOUNTING

Mounting cut-out: Ø 22.3 mm

OPERATING-/INDICATION PART

Lens illumination: illuminative

Illumination colour: White

Lens optics: transparent

Lens material: Plastic

Lens colour: Colourless

Lens shape: raised

ELECTRICAL CHARACTERISTICS

Operation current: 2,5/5 mA ±15 %

Operating voltage: 24 V AC/DC

Standards: According to EN/IEC 61058-1

Thermal current I_{th}: 3 A

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

Contacts: 1 NC / 1 NO

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)

Electrical lifetime: 50 000 cycles of operation

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

MECHANICAL CHARACTERISTIC

Weight: 0.021 kg

Terminal: Soldering terminal

Operating Travel: 3 mm

Switching system: Snap-action switching element

Mechanical lifetime: 2 Mio. cycles of operation

Operating force: 3 N ... 6 N

Switching action: Momentary

Tightening torque: Fixing nut max. 0.25 Nm

Wire cross section: Max. wire diameter 2 wires à 1.2 mm
Max. wire cross-section of stranded cable 1 x 1 mm²

Contact material: Gold-plated silver

AMBIENT CONDITION

IP front protection: IP67, according to DIN EN 60529

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

Shock resistance: Max. 150 m / s², pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

Operating temperature: – 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

Storage temperature: – 40 °C ... + 85 °C

Vibration resistance: Max. 100 m / s² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)

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)

OTHER

max. number of switching elements: 1

Housing colour: Black

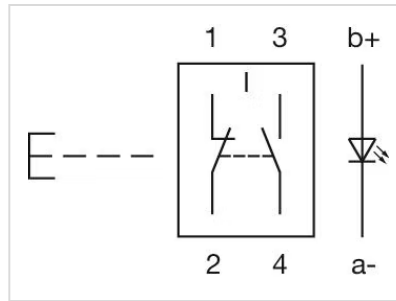
Short Description: Illuminated pushbutton, Momentary, 250 V AC @ 5 A, 24 V AC/DC, 1 NC / 1 NO,

Soldering terminal, White, Colourless

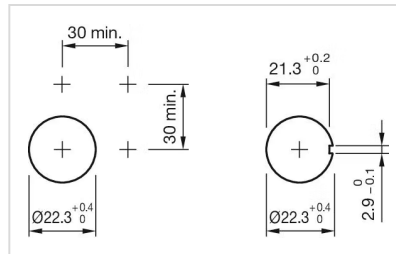
Housing material:

Plastic

Wiring diagrams:



Mounting cut-outs:



Dimension drawings:

