

Illuminated pushbutton

K14-131.121051



<https://eao.com/p/K14-131.121051>

Your product:



K14-131.121051

Illuminated pushbutton

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: illuminative

Lens shape: raised

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 ±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 CHARACTERISTIC

| | |
|-----------------------------|--|
| Terminal: | Soldering terminal |
| Contact material: | Gold-plated silver |
| Switching action: | Momentary |
| Switching system: | Snap-action switching element |
| 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 diameter 2 wires à 1.2 mm Max. wire cross-section of stranded cable 1 x 1 mm ² |
| Weight: | 0.021 kg |

AMBIENT CONDITION

| | |
|-------------------------------|---|
| IP front protection: | IP67, according to DIN EN 60529 |
| Operating temperature: | – 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely |
| Storage temperature: | – 40 °C ... + 85 °C |
| Shock resistance: | Max. 150 m / s ² , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27) |
| Vibration resistance: | Max. 100 m / s ² 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, Soldering terminal, round, Red, Red

Housing colour: Black

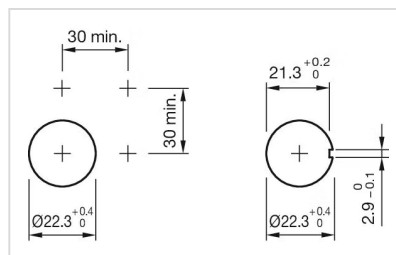
Housing material: Plastic

max. number of switching elements: 1

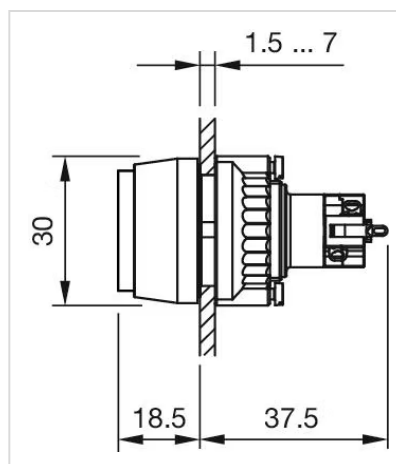
Wiring diagrams:













Mounting cut-outs:



Dimension drawings:



Where to Buy

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