Illuminated
pushbutton

K14-131.111072

https://digikey.eao.com/p/K14-131.111072

Your product:

K14-131.111072
Illuminated pushbutton

MOUNTING

Mounting cut-out: Ø 22.3 mm

OPERATING-/INDICATION PART

Lens shape: flush

Lens optics: transparent

Lens colour: Yellow

Lens illumination: illuminative

Illumination colour: Yellow

Lens material: Plastic

ELECTRICAL CHARACTERISTICS

Standards: According to EN/IEC 61058-1

Electrical lifetime: 50 000 cycles of operation

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)

Thermal current Ith: 3 A

Operating voltage: 28 V AC/DC

Contacts: 1 NC / 1 NO

Operation current: 7/14 mA ±15 %

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

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

MECHANICAL CHARATERISTIC

Tightening torque: Fixing nut max. 0.25 Nm

Operating Travel: 3 mm

Switching system: Snap-action switching element

Switching action: Momentary

Mechanical lifetime: 2 Mio. cycles of operation

Operating force: 3 N ... 6 N

Terminal: Plug-in terminal, 2.8 x 0.5 mm

Contact material: Gold-plated silver

Wire cross section: Max. wire cross-section 2 wires with 1 mm
Max. wire cross-section of stranded cable 2 of 0.75 mm^2 or 1 x 1.0 mm^2

Weight: 0.021 kg

Switching system: Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 1.5 mm).

AMBIENT CONDITION

Shock resistance: Max. 150 m / s^2, 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

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

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

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

IP front protection: IP67, according to DIN EN 60529

CERTIFICATE

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

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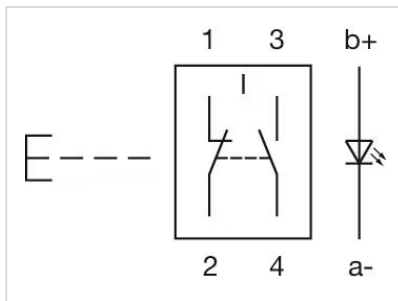
OTHER

Housing colour: Black

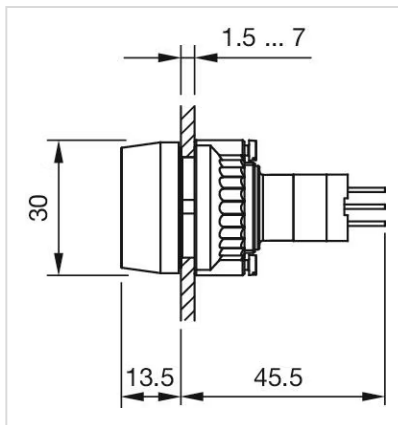**Housing material:**   Plastic

Short Description: Illuminated pushbutton, Momentary, 250 V AC @ 5 A, 28 V AC/DC, 1 NC / 1 NO,
Plug-in terminal, 2.8 x 0.5 mm, Yellow, Yellow

Wiring diagrams:

Dimension drawings:

Mounting cut-outs: