

Pushbutton

K14-
131.211120

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<https://digikey.eao.com/p/K14-131.211120>

Your product:



K14-131.211120 Pushbutton

FRONT

Front dimension: Ø 35 mm

MOUNTING

Mounting cut-out: Ø 30.5 mm

OPERATING-/INDICATION PART

Lens shape: flush

Lens optics: opaque

Lens material: Aluminium

Lens colour: Black

ELECTRICAL CHARACTERISTICS

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

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

Thermal current I_{th}: 3 A

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

Standards: According to EN/IEC 61058-1

Contacts: 1 NC / 1 NO

Protection class: II

MECHANICAL CHARACTERISTIC

Contact material: Gold-plated silver

Operating Travel: 3 mm

Operating force: 3 N ... 6 N

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

Weight: 0.031 kg

Tightening torque: Fixing nut max. 0.25 Nm

Terminal: Plug-in terminal, 2.8 x 0.5 mm

Wire cross section: Max. wire diameter 2 wires of 1 mm
Max. wire cross-section of stranded cable 2 of 0.75 mm² or 1 x 1.0 mm²

Switching action: Momentary

Switching system: Snap-action switching element

AMBIENT CONDITION

Operating temperature: – 25 °C ... + 55 °C

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

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

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

IP front protection: IP67, according to DIN EN 60529

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

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

Short Description: Pushbutton, Momentary, 250 V AC @ 5 A, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5 mm, Black

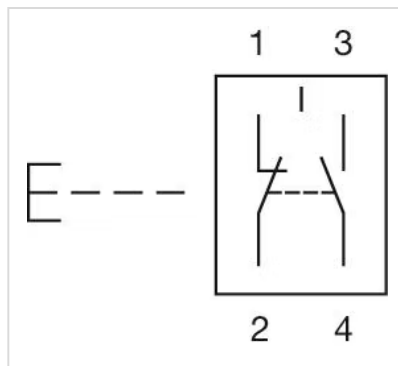
Housing material:

Plastic

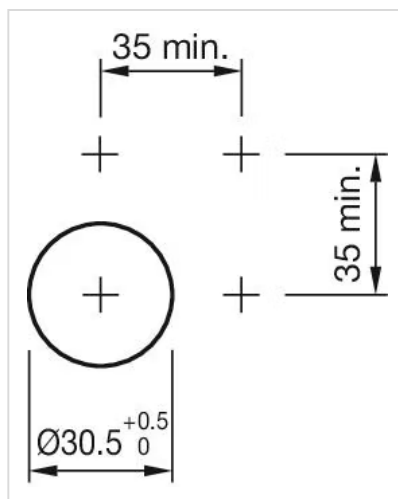
Housing colour:

Black

Wiring diagrams:



Mounting cut-outs:



Dimension drawings:

