

Pushbutton

K14-
131.211110

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<https://digikey.eao.com/p/K14-131.211110>

Your product:



K14-131.211110 Pushbutton

FRONT

Front dimension: Ø 35 mm

Front form: round

MOUNTING

Mounting cut-out: Ø 30.5 mm

OPERATING-/INDICATION PART

Lens illumination: non illuminative

Lens shape: flush

Lens optics: opaque

Lens colour: Red

Lens material: Aluminium

ELECTRICAL CHARACTERISTICS

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

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

Standards: According to EN/IEC 61058-1

Electrical lifetime: 50 000 cycles of operation

Thermal current I_{th}: 3 A

Protection class: II

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)

MECHANICAL CHARACTERISTIC

Mechanical lifetime:	2 Mio. cycles of operation
Wire cross section:	Max. wire diameter 2 wires of 1 mm Max. wire cross-section of stranded cable 2 of 0.75 mm ² or 1 x 1.0 mm ²
Operating Travel:	3 mm
Switching action:	Momentary
Contact material:	Gold-plated silver
Switching system:	Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 1.5 mm).
Switching system:	Snap-action switching element
Weight:	0.031 kg
Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Tightening torque:	Fixing nut max. 0.25 Nm
Operating force:	3 N ... 6 N

AMBIENT CONDITION

Vibration resistance:	Max. 100 m / s ² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
IP front protection:	IP67, according to DIN EN 60529
Operating temperature:	- 25 °C ... + 55 °C
Storage temperature:	- 40 °C ... + 85 °C
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 / s ² , 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)

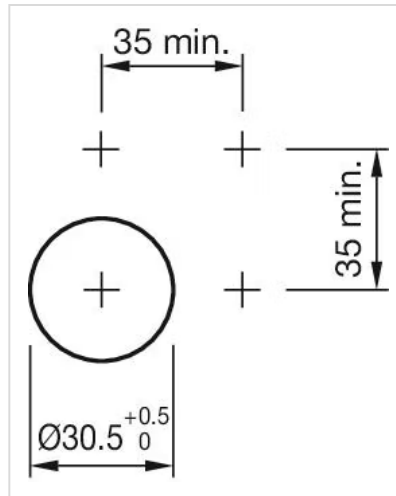
OTHER

Housing colour: Black

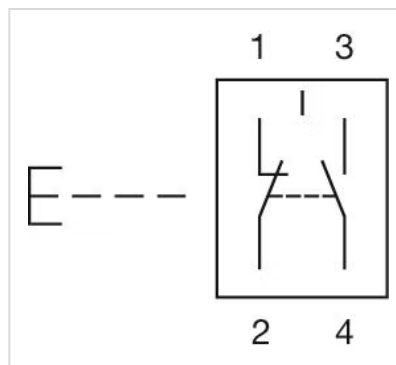
Short Description: Pushbutton, Momentary, 250 V AC @ 3 A, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5 mm, round, Red

Housing material: Plastic

Mounting cut-outs:



Wiring diagrams:



Dimension drawings:

