

Illuminated pushbutton

K14-131.211082

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Your product:



K14-131.211082 Illuminated pushbutton

FRONT

Front dimension: Ø 35 mm

MOUNTING

Mounting cut-out: Ø 30.5 mm

OPERATING-/INDICATION PART

Lens optics: transparent

Lens shape: flush

Lens material: Plastic

Lens illumination: illuminative

Lens colour: Green

Illumination colour: Green

ELECTRICAL CHARACTERISTICS

Operation current: 4/7 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)

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

Operating voltage: 28 V AC/DC

Contacts:	1 NC / 1 NO
Standards:	According to EN/IEC 61058-1
Protection class:	II
Electric strength:	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1

MECHANICAL CHARACTERISTIC

Tightening torque:	Fixing nut max. 0.25 Nm
Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Weight:	0.031 kg
Switching action:	Momentary
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
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
Mechanical lifetime:	2 Mio. cycles of operation
Contact material:	Gold-plated silver
Operating force:	3 N ... 6 N
Operating Travel:	3 mm

AMBIENT CONDITION

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)
Operating temperature:	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
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
Vibration resistance:	Max. 100 m / s ² 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)

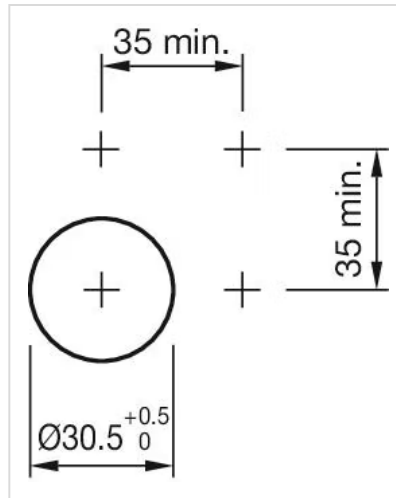
OTHER

Housing colour: Black

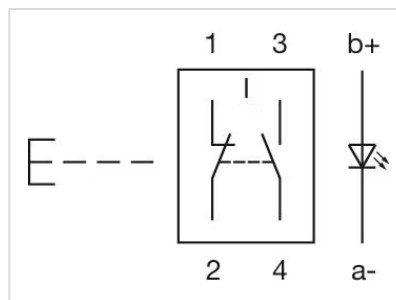
Housing material: Plastic

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, Green, Green

Mounting cut-outs:



Wiring diagrams:



Dimension drawings:

