Your Expert Partner for **Human Machine Interfaces**

Illuminated pushbutton

Distribution by DigiKey

K14-131.211082



https://digikey.eao.com/p/K14-131.211082

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 Ith:	3 A
Rated Operational Voltage Ue:	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 CHARATERISTIC

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)

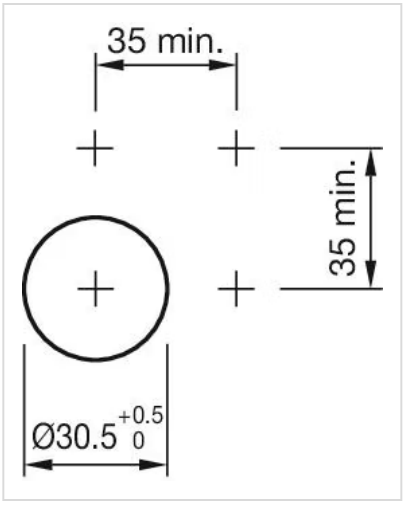
OTHER

Housing colour: Black

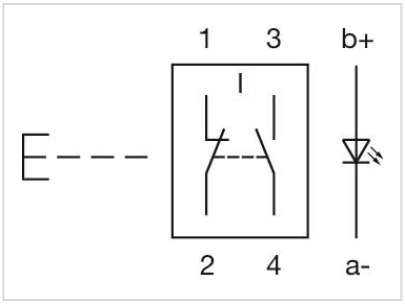
Housing material: Plastic

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:

