

Your Expert Partner for Human Machine Interfaces

Illuminated pushbutton

Distribution by DigiKey



K14-131.221091





https://digikey.eao.com/p/K14-131.221091

Your product:



K14-131.221091 Illuminated pushbutton

FRONT	
Front dimension:	Ø 35 mm
Front form:	Round
MOUNTING	
Mounting cut-out:	Ø 30.5 mm
Mounting type:	Panel mounting
OPERATING-/INDICATION PART	
Lens colour:	Colourless

Lens material:	Plastic
Lens illumination:	Illuminated
Lens shape:	Flush
Lens optics:	transparent
Illumination colour:	Colourless

ELECTRICAL CHARACTERISTICS

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)
Contacts:	1 NC / 1 NO
Operating voltage:	24 V AC/DC
Operation current:	2.5/5 mA ±15 %

Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 61058-1
Switching rating:	250 V AC @ 3 A
Electrical lifetime:	50 000 cycles of operation
Electric strength:	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
Protection class:	II
Standards:	According to EN/IEC 61058-1
Thermal current Ith:	3 A

MECHANICAL CHARACTERISTICS

Terminal:	Soldering terminal
Contact material:	Gold-plated silver
Switching action:	Momentary
Switching system:	Snap-action switching element
Mechanical lifetime:	2 Mil. cycles of operation
Operating force:	3 N 6 N
Operating Travel:	3 mm
Tightening torque:	Fixing nut max. 0.25 Nm
Wire cross section:	Max. wire diameter 2 wires à 1.2 mm Max. wire cross-section of stranded cable 1 x 1 mm ²
Weight:	0.031 kg

AMBIENT CONDITION

IP front protection:	IP67, according to DIN EN 60529
Operating temperature:	– 25 °C + 55 °C, mounted as a block, make sure the heat can escape freely
Storage temperature:	– 40 °C + 85 °C
Shock resistance:	Max. 150 m / $\rm s^2,$ pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
Vibration resistance:	Max. 100 m / s² from 10 Hz 500 Hz, (sinusoidal EN IEC 60068-2-6)
Climate resistance:	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30

CERTIFICATE

Approbations:

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

OTHER

Short Description:

Illuminated pushbutton, Momentary, 250 V AC @ 3 A, 24 V AC/DC, 1 NC / 1 NO, Soldering terminal, Round, Colourless, Colourless

Housing colour:

Black Plastic

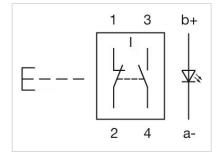
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Housing material:

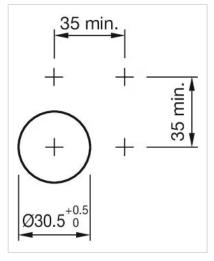
max. number of switching

Wiring diagrams:

elements:



Mounting cut-outs:



Dimension drawings:

