

## Illuminated push button

Distribution by  
Mouser



K14-271.222081



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Your product:

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K14-271.222081  
Illuminated push button

#### PRODUCT RANGE

**Product Status:** Phase-out

#### 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:** Green

**Lens material:** Plastic

**Lens illumination:** Illuminated

**Lens shape:** Flush

**Lens optics:** transparent

**Illumination colour:** Green

#### 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)

<b>Contacts:</b>	1 NC / 1 NO
<b>Operating voltage:</b>	24 V AC/DC
<b>Operation current:</b>	4/7 mA $\pm 15\%$
<b>Rated Operational Voltage Ue:</b>	250 VAC/DC according to EN IEC 61058-1
<b>Switching rating:</b>	250 V AC @ 3 A
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Electric strength:</b>	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
<b>Protection class:</b>	II
<b>Standards:</b>	According to EN/IEC 61058-1
<b>Thermal current Ith:</b>	3 A

## MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Soldering terminal
<b>Contact material:</b>	Gold-plated silver
<b>Switching action:</b>	Maintained
<b>Switching system:</b>	Snap-action switching element
<b>Mechanical lifetime:</b>	1 Mil. cycles of operation (RCC/RPB)
<b>Operating force:</b>	5 N ... 8 N
<b>Operating Travel:</b>	3 mm
<b>Tightening torque:</b>	Fixing nut max. 0.25 Nm
<b>Wire cross section:</b>	Max. wire diameter 2 wires à 1.2 mm Max. wire cross-section of stranded cable 1 x 1 mm <sup>2</sup>
<b>Weight:</b>	0.031 kg

## AMBIENT CONDITION

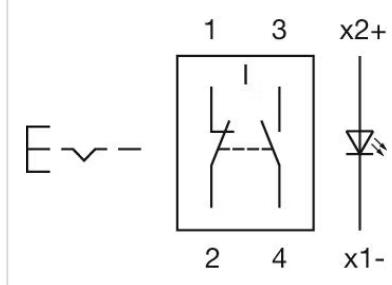
<b>IP front protection:</b>	IP67, according to DIN EN 60529
<b>Operating temperature:</b>	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
<b>Storage temperature:</b>	- 40 °C ... + 85 °C

<b>Shock resistance:</b>	Max. 150 m / s <sup>2</sup> , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
<b>Vibration resistance:</b>	Max. 100 m / s <sup>2</sup> from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
<b>Climate resistance:</b>	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30

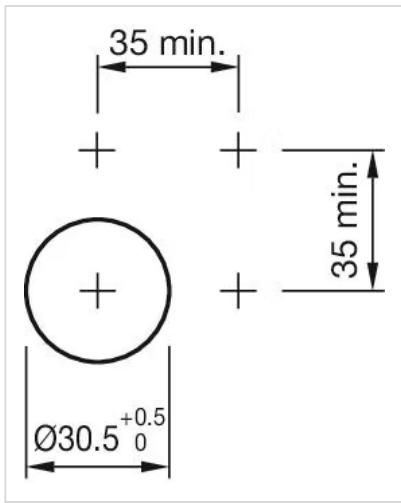
## CERTIFICATE

<b>Approbations:</b>	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE
<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

## OTHER

<b>Short Description:</b>	Illuminated push button, Maintained, 250 V AC @ 3 A, 24 V AC/DC, 1 NC / 1 NO, Soldering terminal, Round, Green, Green
<b>Housing colour:</b>	Black
<b>Housing material:</b>	Plastic
<b>max. number of switching elements:</b>	1
<b>Wiring diagrams:</b>	

**Mounting cut-outs:**



Dimension drawings:

