

# Pushbutton

K14-  
271.222120

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## K14-271.222120 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:** Black

**Lens material:** Aluminium

**Lens illumination:** Non illuminated

**Lens shape:** Flush

**Lens optics:** opaque

### 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

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

**Switching rating:** 250 V AC @ 3 A

**Electrical lifetime:** 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 I<sub>th</sub>:</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
<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

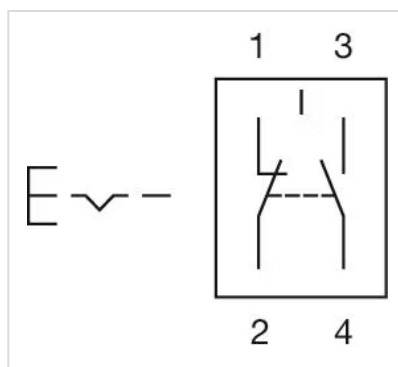
<b>IP front protection:</b>	IP67, according to DIN EN 60529
<b>Operating temperature:</b>	– 25 °C ... + 55 °C
<b>Storage temperature:</b>	– 40 °C ... + 85 °C
<b>Shock resistance:</b>	Max. 150 m / s <sup>2</sup> , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
<b>Vibration resistance:</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

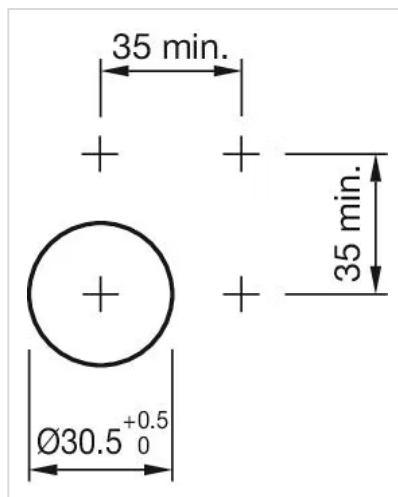
<b>Approbations:</b>	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE
<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

## OTHER

<b>Short Description:</b>	Pushbutton, Maintained, 250 V AC @ 3 A, 1 NC / 1 NO, Soldering terminal, Round, Black
<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:

