

# Illuminated push button

Distribution by DigiKey



K14-271.112042







## K14-271.112042 Illuminated push button

#### **FRONT**

Front dimension: Ø 29 mm

Front form: Round

#### **MOUNTING**

Mounting cut-out: Ø 22.3 mm

Mounting type: Panel mounting

### **OPERATING-/INDICATION PART**

Lens colour: Colourless

Lens material: Plastic

Lens illumination: Illuminated

Lens shape: Raised

Lens optics: transparent

Illumination colour: White

### **ELECTRICAL CHARACTERISTICS**

**Switching voltage and switching** 250 VAC, 5 A (ohmic)

**current:** 250 VAC, 3 A (Soldering terminal)

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:** 28 V AC/DC

**Operation current:** 2.5/5 mA  $\pm$ 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:

**Standards:** According to EN/IEC 61058-1

Thermal current Ith: 3 A

#### **MECHANICAL CHARACTERISTICS**

**Terminal:** Plug-in terminal, 2.8 x 0.5 mm

Contact material: Gold-plated silver

Switching action: Maintained

Switching system: Snap-action switching element

Switching system: Self-cleaning, double-break snap action switching system (contact opening width 2

mm x 1.5 mm).

**Mechanical lifetime:** 1 Mil. cycles of operation

Operating force: 5 N ... 8 N

Operating Travel: 3 mm

**Tightening torque:** Fixing nut max. 0.25 Nm

Wire cross section: Max. wire cross-section 2 wires with 1 mm

Max. wire cross-section of stranded cable 2 of 0.75 mm<sup>2</sup> or 1 x 1.0 mm<sup>2</sup>

**Weight:** 0.021 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:  $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$ 

**Shock resistance:** Max. 150 m / s², 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: 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)

**REACH:** REACH compliant

**RoHS:** RoHS compliant

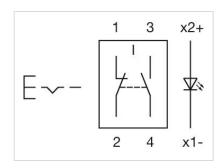
## OTHER

Illuminated push button, Maintained, 250 V AC @ 3 A, 28 V AC/DC, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5 mm, Round, White, Colourless **Short Description:** 

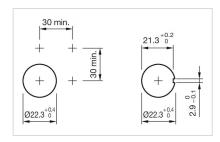
Housing colour: Black

Housing material: Plastic

Wiring diagrams:



Mounting cut-outs:



Dimension drawings:

