

# Pushbutton

K14-271.112110











# K14-271.112110 Pushbutton

# **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: Red

Lens material: Aluminium

Lens illumination: Non illuminated

Lens shape: Flush

Lens optics: opaque

# **ELECTRICAL CHARACTERISTICS**

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

**current:** 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 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  $\mbox{mm}^2$  or 1 x 1.0  $\mbox{mm}^2$ 

**Weight:** 0.019 kg

#### **AMBIENT CONDITION**

**IP front protection:** IP67, according to DIN EN 60529

**Operating temperature:**  $-25 \, ^{\circ}\text{C} \, ... \, + \, 55 \, ^{\circ}\text{C}$ 

Storage temperature:  $-40 \, ^{\circ}\text{C} \, ... + 85 \, ^{\circ}\text{C}$ 

**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

**C**E, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

REACH:

RoHS: RoHS compliant

# **OTHER**

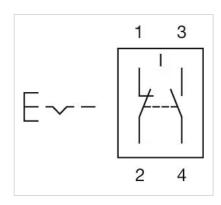
Short Description: Pushbutton, Maintained, 250 V AC @ 3 A, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5

mm, Round, Red

Housing colour: Black

Housing material: Plastic

Wiring diagrams:



Mounting cut-outs:

Dimension drawings:

