

Illuminated pushbutton

K14-131.111052

Distribution by DigiKey









K14-131.111052 Illuminated pushbutton

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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: Plastic

Lens illumination: Illuminated

Lens shape: Raised

Lens optics: transparent

Illumination colour: Red

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

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: Momentary

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: 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 cross-section 2 wires with 1 mm

Max. wire cross-section of stranded cable 2 of 0.75 mm² or 1 x 1.0 mm²

Weight: 0.021 kg

AMBIENT CONDITION

IP front protection: IP67, according to DIN EN 60529

Operating temperature: - 25 °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

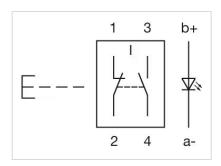
Short Description: Illuminated pushbutton, Momentary, 250 V AC @ 3 A, 28 V AC/DC, 1 NC / 1 NO,

Plug-in terminal, 2.8 x 0.5 mm, Round, Red, Red

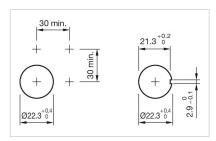
Housing colour: Black

Housing material: Plastic

Wiring diagrams:



Mounting cut-outs:



Dimension drawings:

