

# Pushbutton

K14-  
271.212140

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## K14-271.212140 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:** Green

**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>            | Plug-in terminal, 2.8 x 0.5 mm                                                                                                       |
| <b>Contact material:</b>    | Gold-plated silver                                                                                                                   |
| <b>Switching action:</b>    | Momentary                                                                                                                            |
| <b>Switching system:</b>    | Snap-action switching element                                                                                                        |
| <b>Switching system:</b>    | Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 1.5 mm).                                      |
| <b>Mechanical lifetime:</b> | 2 Mil. cycles of operation                                                                                                           |
| <b>Operating force:</b>     | 3 N ... 6 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 of 1 mm<br>Max. wire cross-section of stranded cable 2 of 0.75 mm <sup>2</sup> or 1 x 1.0 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<br>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

**RoHS:**

RoHS compliant

## OTHER

### Short Description:

Pushbutton, Momentary, 250 V AC @ 3 A, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5 mm, Round, Green

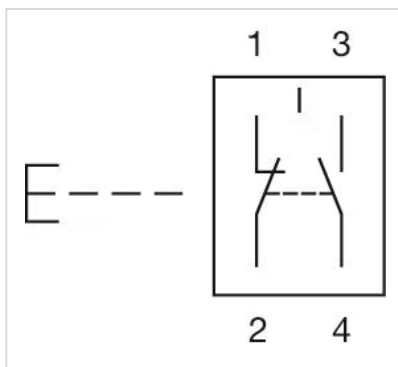
### Housing colour:

Black

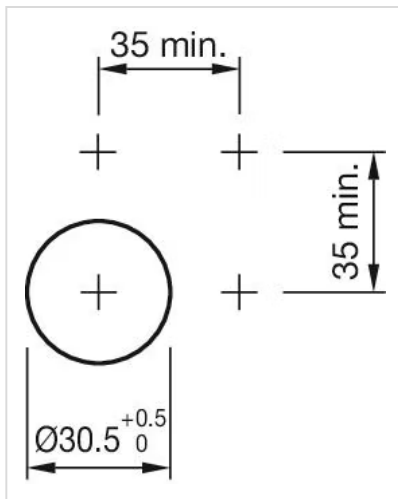
### Housing material:

Plastic

### Wiring diagrams:



### Mounting cut-outs:



### Dimension drawings:

