

Selector switch 2 positions

K14-506.21200

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<https://digikey.eao.com/p/K14-506.21200>

Your product:



K14-506.21200

Selector switch 2 positions

FRONT

Front dimension: Ø 35 mm

MOUNTING

Mounting cut-out: Ø 30.5 mm

OPERATING-/INDICATION PART

Lever material: plastic

Lever shape: short

Lever colour: Black

ELECTRICAL CHARACTERISTICS

Contacts: 1 NC / 1 NO

Standards: According to EN/IEC 61058-1

Thermal current I_{th}: 5 A

Protection class: II

Electric strength: 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1

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

Switching voltage and switching current:

- 250 VAC, 5 A (ohmic)
- 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)

Electrical lifetime: 50 000 cycles of operation

MECHANICAL CHARACTERISTIC

Wire cross section:	Max. wire cross-section 2 wires with 1 mm Max. wire cross-section of stranded cable 2 of 0.75 mm ² or 1 x 1.0 mm ²
Weight:	0.039 kg
Switching angle:	90° right
Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Switching action:	Rest - Maintained
Mechanical lifetime:	1 Mio. cycles of operation
Switching positions:	2 positions
Operating Travel:	ca. 90°
Switching system:	Snap-action switching element
Tightening torque:	Fixing nut max. 0.25 Nm
Operating force:	5 N ... 8 N
Switching system:	Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 1.5 mm).
Contact material:	Gold-plated silver

AMBIENT CONDITION

IP front protection:	IP67, according to DIN EN 60529
Shock resistance:	Max. 150 m / s ² , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
Operating temperature:	– 25 °C ... + 55 °C
Vibration resistance:	Max. 100 m / s ² 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
Storage temperature:	– 40 °C ... + 85 °C

CERTIFICATE

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

OTHER

Short Description:	Selector switch 2 positions, Rest - Maintained, 250 V AC @ 5 A, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5 mm
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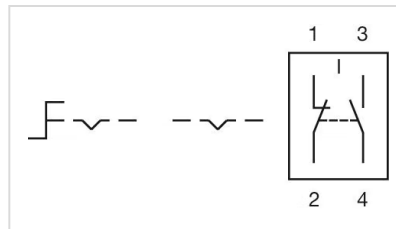
Housing colour:

Black

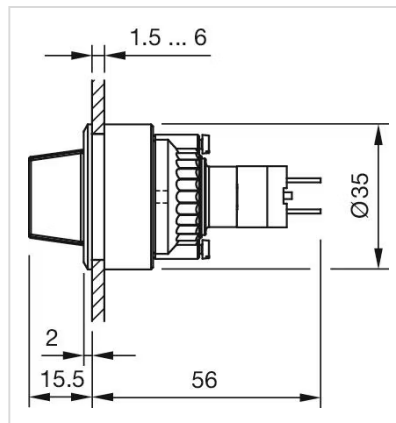
Housing material:

Plastic

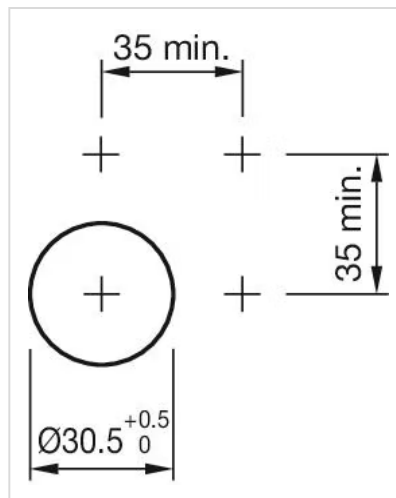
Wiring diagrams:



Dimension drawings:



Mounting cut-outs:



Switching positions:

