Your Expert Partner for **Human Machine Interfaces**

Selector switch 2 positions

Distribution by
DigiKey

K14-506.21200



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 Ith:	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 Ue:	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 CHARATERISTIC

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)

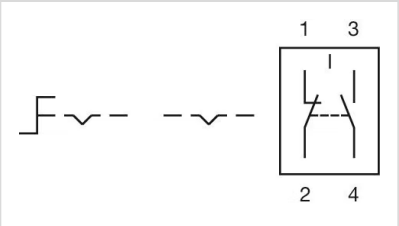
OTHER

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

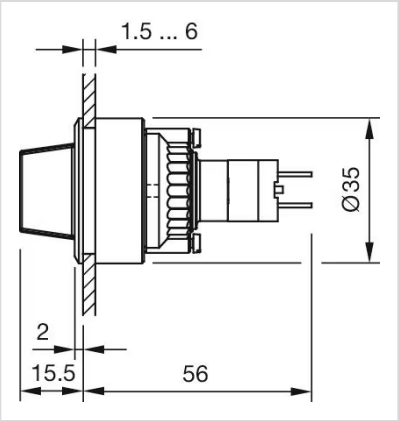
Housing colour: Black

Housing material: Plastic

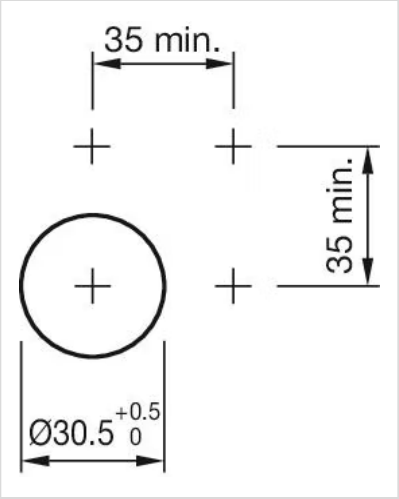
Wiring diagrams:



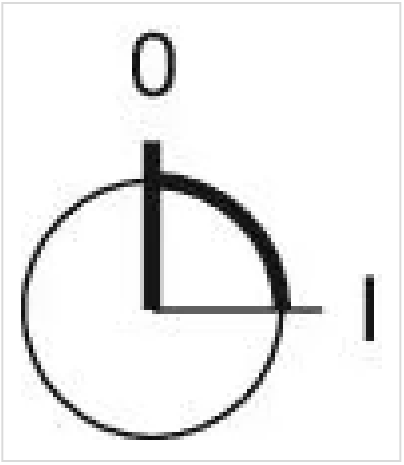
Dimension drawings:



Mounting cut-outs:



Switching positions:


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