Pushbutton

K14-
271.222120

https://digikey.eao.com/p/K14-271.222120

Your product:

K14-271.222120
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: Black

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 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:	II
Standards:	According to EN/IEC 61058-1
Thermal current Ith:	3 A

MECHANICAL CHARACTERISTICS

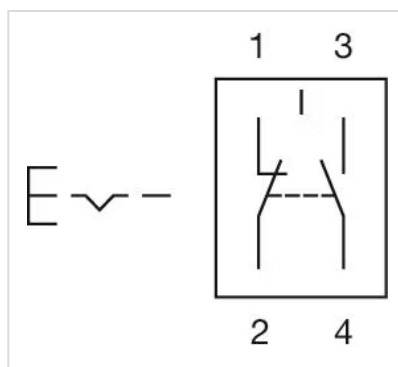|	
Terminal:	Soldering terminal
Contact material:	Gold-plated silver
Switching action:	Maintained
Switching system:	Snap-action switching element
Mechanical lifetime:	1 Mil. cycles of operation
Operating force:	5 N ... 8 N
Operating Travel:	3 mm
Tightening torque:	Fixing nut max. 0.25 Nm
Wire cross section:	Max. wire diameter 2 wires à 1.2 mm Max. wire cross-section of stranded cable 1 x 1 mm^2
Weight:	0.031 kg

AMBIENT CONDITION

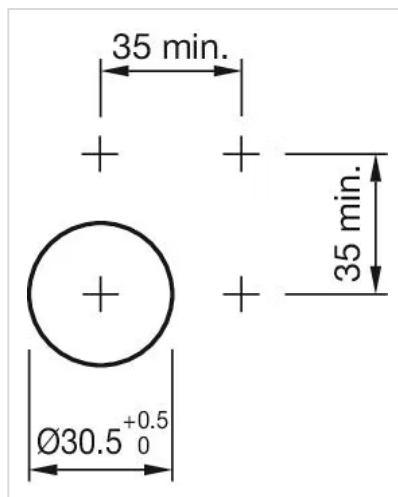|	
IP front protection:	IP67, according to DIN EN 60529
Operating temperature:	– 25 °C ... + 55 °C
Storage temperature:	– 40 °C ... + 85 °C
Shock resistance:	Max. 150 m / s^2, pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
Vibration resistance:	Max. 100 m / s^2 from 10 Hz ... 500 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

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:	Pushbutton, Maintained, 250 V AC @ 3 A, 1 NC / 1 NO, Soldering terminal, Round, Black
Housing colour:	Black
Housing material:	Plastic
max. number of switching elements:	1
Wiring diagrams:	

Mounting cut-outs:

Dimension drawings:

1.5 ... 6

Ø35

2

48.5