

Actuator

14-502.02502 Distribution by DigiKey









14-502.02502 Actuator

Front form: Round

Front bezel colour: Nature

Front bezel material: Aluminium

MOUNTING

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lever colour: Black

Lever material: plastic

Lever shape: short

ELECTRICAL CHARACTERISTICS

Switching voltage and switching 250 VAC, 5 A (ohmic)

current: 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: 2 NC / 2 NO

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

Switching rating: 250 V @ 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:

Standards: According to EN/IEC 61058-1

Thermal current Ith:

The maximum current in continuous operation and at ambient temperature not

exceeding the quoted maximum values.

ЗА

MECHANICAL CHARACTERISTICS

Terminal: Soldering terminal

Contact material: Gold

Switching action: Rest - Momentary

Switching system: Snap-action switching element

Switching system: Self-cleaning, double-break snap action switching system, 1 normally closed and 1

normally open contact per element.

Switching positions: 2 positions

Switching angle: 42° right

Mechanical lifetime: 2 Mil. cycles of operation

Operating force: 3 N ... 6 N, depending on the number of switching elements

Operating Travel: ca. 42°

Tightening torque: Fixing nut max. 0.25 Nm

Weight: 0.026 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

CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

REACH:

RoHS:

RoHS compliant

OTHER

Short Description:

Actuator, non illuminative, Black, short, Round, Nature, Aluminium, anodised, 2 NC / 2 NO, Rest - Momentary, Soldering terminal, IP67, according to DIN EN 60529

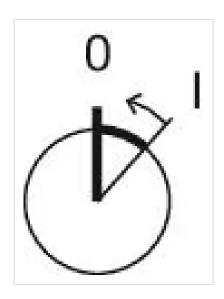
Hints:

The colour of anodised aluminium parts can vary due to technical production reasons

max. number of switching elements:

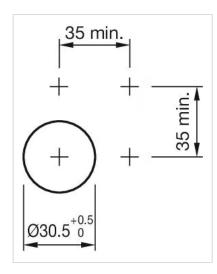
2

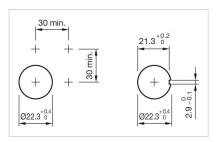
Switching positions:



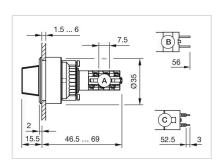
Wiring diagrams:

Mounting cut-outs:





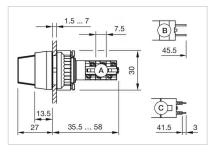
Dimension drawings:



A = Solder terminal

 $B = Plug-in terminal 2.8 \times 0.5 mm$

C = Universal terminal 2.0 mm x 0.5 mm



A = Solder terminal

B = Plug-in terminal 2.8 x 0.5 mm C = Universal terminal 2.0 mm x 0.5 mm