

Actuator

61-
6461.4047



<https://eao.com/p/61-6461.4047>

Your product:



61-6461.4047 Actuator

FRONT

Front dimension: Ø 40 mm

Front form: round

MOUNTING

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens colour: Red

Lens material: Plastic

Lens illumination: non illuminative

Lens shape: mushroom-head

ELECTRICAL CHARACTERISTICS

Contacts: 1 NC

Contact resistance: At 20 mV, 100 mA (IEC 60512-2-1) Insulation resistance
2 MΩ between the open contacts
7 MΩ towards the panel (DIN IEC 60512-3-1)

Switching voltage and switching current:

Alternating current usage category AC-15 according to EN IEC 60947-5-1	
Voltage	50 VAC
Current	0,2 A
DC usage category DC-13 according to EN IEC 60947-5-1	
Voltage	50 VDC
Current	0,2 A

Rated Operational Voltage U_e: 50 VAC / DC, according to EN / IEC 60947-5-1

Rated impulse withstand voltage U_{imp}: 0.5 kV, according to EN / IEC 60947-1

Rated insulation voltage Ui:	250 VAC/DC according to EN IEC 60947-1
Rated short-circuit current caused:	1 000 A, type of short-circuit device 2 A gG (EN 60947-5-1)
Recommended minimum operational data:	Voltage 1 VAC/DC Current 1 mA
Electrical lifetime:	≥20 000 cycles of operation
Electric strength:	500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2
Overvoltage category:	II, according to EN / IEC 61058-1
Pollution degree:	3, according to EN IEC 60947-1
Protection class:	II, according to EN / IEC 60947-5
Standards:	According to EN 60947-5-1, EN 60947-5-5, DIN EN ISO 13850, EN IEC 60204
Thermal current Ith:	0.5 A (EN IEC 60947-5-1 / max. current in continuous operation at max. + 55 degrees C)

MECHANICAL CHARACTERISTIC

Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Switching action:	Maintained
Release type:	Twist to unlock
Mechanical lifetime:	≥20 000 cycles of operation
Operating force:	30 N ±4 N
Operating Travel:	4.2 mm
Tightening torque:	Max. 0.8 Nm
Weight:	0.02 kg

AMBIENT CONDITION

IP Protection:	IP67 front side, according to EN IEC 60529/A1:2010-04, IP69K front side, according to EN IEC 60529/A1:2010-04, Panel surface roughness Ra1.6
IK Protection:	IK06
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, 20 cycles, 3-axis (sinusoidal EN IEC 60068-2-6)
Climate resistance:	Damp heat, steady: 56 days, + 40 °C/93 % relative humidity, according to EN IEC 60068-2-78

Dry heat: 96 hours, + 65 °C, as per EN IEC 60068-2-2
Low temperature: 96 hours, – 25 °C (as per EN IEC 60068-2-1)) UV test, 56 days
(EN 60068-2-5:1999)

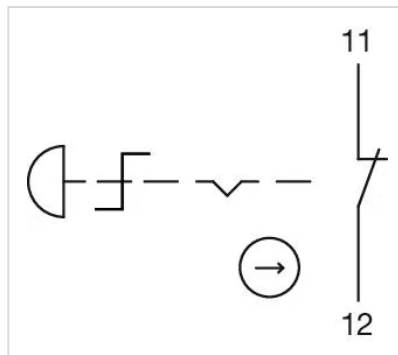
CERTIFICATE

Approbations:	CB (EN 60947), UL NISD (cULus, UL EU) LISTED E-File-Nr.: E341760
Conformities:	CE, UKCA
REACH:	REACH compliant
RoHS:	RoHS compliant

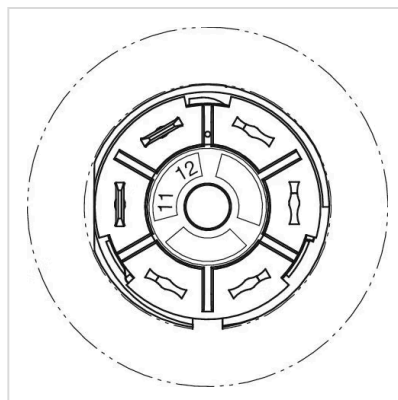
OTHER

Short Description:	Actuator, Ø 40 mm, mushroom-head, non illuminative, Red, Plastic, round, 1 NC, Maintained, Plug-in terminal, 2.8 x 0.5 mm, Twist to unlock
Dimension:	Ø 40 mm
Hints:	Application as per DIN EN ISO 13850 and EN 60204-1, Seal Part No. 61-9900, Anti-twist ring No. 51-910, Fixing nut No. 51-991, Plug-in terminals 2.8 mm x 0.5 mm are solderable without UL certificate, Front plate thickness 1 ... 4 mm with an anti-rotation ring, Front plate thickness 1 ... 6 mm without an anti-rotation ring

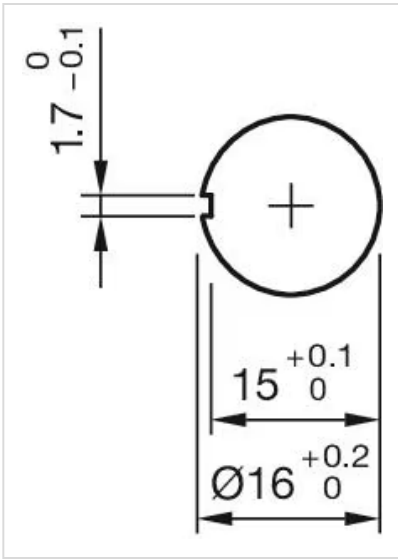
Wiring diagrams:



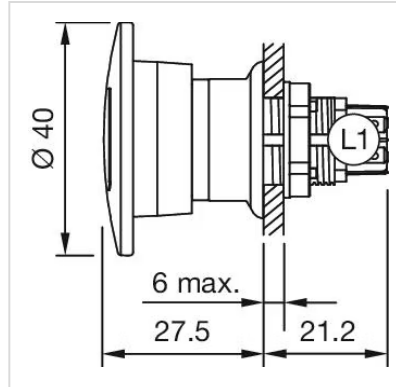
Component layouts:













Mounting cut-outs:



Dimension drawings:



Where to Buy

	Distributor	Quantity in Stock	
	Mouser Electronics	68 in stock	Buy 
	RS UK	36 in stock	Buy 
	DigiKey	28 in stock	Buy 
	TME	12 in stock	Buy 
	Farnell UK	4 in stock	Buy 

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