

Actuator

14-

744.0292

Distribution by DigiKey









14-744.0292 Actuator

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Front form: Round

MOUNTING

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens illumination: Illuminated

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: $250 \lor @ 3 A$

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.

3 A

MECHANICAL CHARACTERISTICS

Terminal: Universal terminal, 2 x 0.5 mm

Contact material: Gold

Switching action: 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.

Mechanical lifetime: 2 Mil. cycles of operation

Operating force: 3 N ... 6 N

Operating Travel: 3 mm

Tightening torque: Fixing nut max. 0.25 Nm

Weight: 0.017 kg

AMBIENT CONDITION

IP front protection: IP67, according to DIN EN 60529

Operating temperature: - 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

Storage temperature: $-40 \, ^{\circ}\text{C} \, ... + 85 \, ^{\circ}\text{C}$

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

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

REACH: REACH compliant

RoHS: RoHS compliant

OTHER

Short Description: Actuator, Illuminated, Round, 1 NC / 1 NO, Momentary, Universal terminal, 2 x 0.5

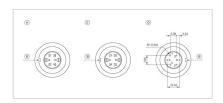
mm, IP67, according to DIN EN 60529

Housing colour: Black

Wiring diagrams:

	1	3	b+	3	1
E	7		V	X	*
	2	4	a-	2	4

Component layouts:



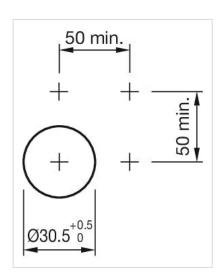
A = Terminals (rear side)

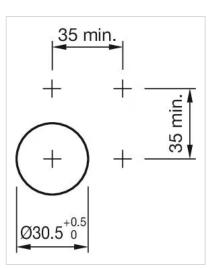
B = Anti twist device

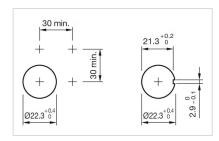
C = Diode block

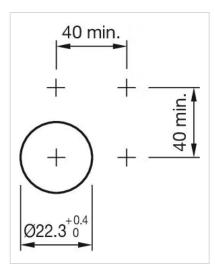
D = Drilling plan (component side)

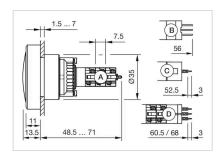
Mounting cut-outs:









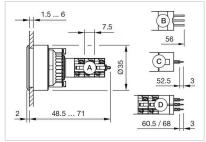


A = Solder terminal

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

C = Universal terminal 2.0 mm x 0.5 mm

D = Universal-Solder terminal

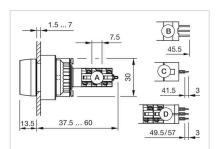


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Universal-Solder terminal

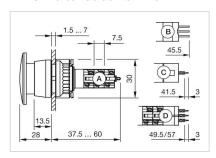


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