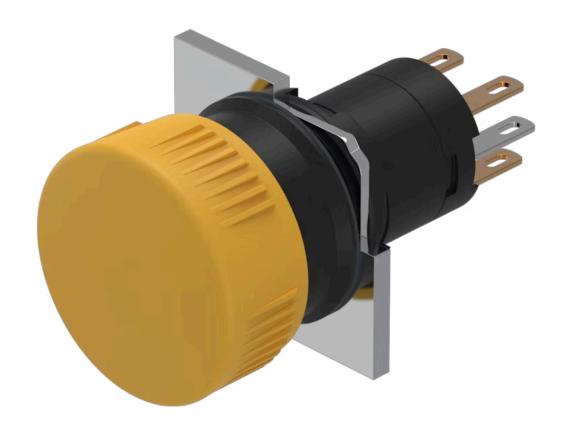


Actuator

51-153.0224 Distribution by DigiKey







Your product:



51-153.0224 Actuator

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Front dimension: \emptyset 24,5 mm

Front form: Round

Front bezel colour: Black

Front bezel material: Plastic

MOUNTING

Design: Raised

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens colour: Yellow

Lens material: Plastic

Lens illumination: Non illuminated

Lens shape: Mushroom-head

Lens optics: opaque

ELECTRICAL CHARACTERISTICS

Contacts: 1 NC / 1 NO

Rated Operational Voltage Ue: 250 VAC/DC according to EN IEC 60947-1

Switching rating: 250 V @ 5 A

Electrical lifetime: 50 000 cycles of operation

Electric strength: 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-

1, part 15

Protection class:

Standards: According to EN/IEC 61058-1

Thermal current Ith: 5 A, according to EN / IEC 60947-5-1

The maximum current in continuous operation and at ambient temperature not

exceeding the quoted maximum values.

MECHANICAL CHARACTERISTICS

Terminal: Plug-in terminal, 2.8 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: 1,8 ... 6 N, depending on the number of switching elements

Operating Travel: 3 mm

Tightening torque: Fixing nut max. 0.5 Nm

Wire cross section: Snap-action switching element with axial soldering terminals, which can also be

used as plug-in terminals 2.8 x 0.5mm Max. wire diameter 2 wires of 1 mm

Max. wire cross-section of stranded cable 2 of 0.75 $\,\mathrm{mm^2}$ or 1 x 1.0 $\,\mathrm{mm^2}$

Weight: 0.016 kg

AMBIENT CONDITION

IP front protection: IP65, 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: 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts,

semi-sinusoidal)

Vibration resistance: 10 g at 10 Hz...1500 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN

60512-4-4, DIN EN 60068-2-6

Climate resistance: Standard condition, as per DIN EN 60068-2-30

Changing condition, as per DIN EN 60068-2-14

CERTIFICATE

Approbations: CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL

Conformities: CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)

REACH: REACH compliant

RoHS: RoHS compliant

OTHER

Short Description: Actuator, Ø 24,5 mm, Mushroom-head, Non illuminated, Yellow, Plastic, opaque,

Round, Black, Plastic, 1 NC / 1 NO, Momentary, Plug-in terminal, 2.8 x 0.5 mm,

IP65, according to DIN EN 60529

Housing colour: Black

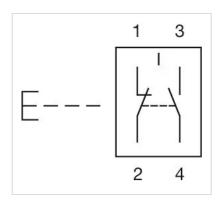
Hints: If the anti-twist ring is not used the panel thickness increases to 4 mm

max. number of switching

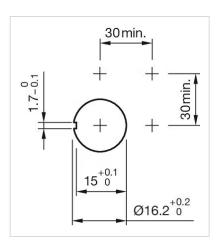
elements:

1

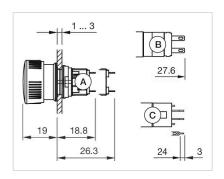
Wiring diagrams:



Mounting cut-outs:



Dimension drawings:



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