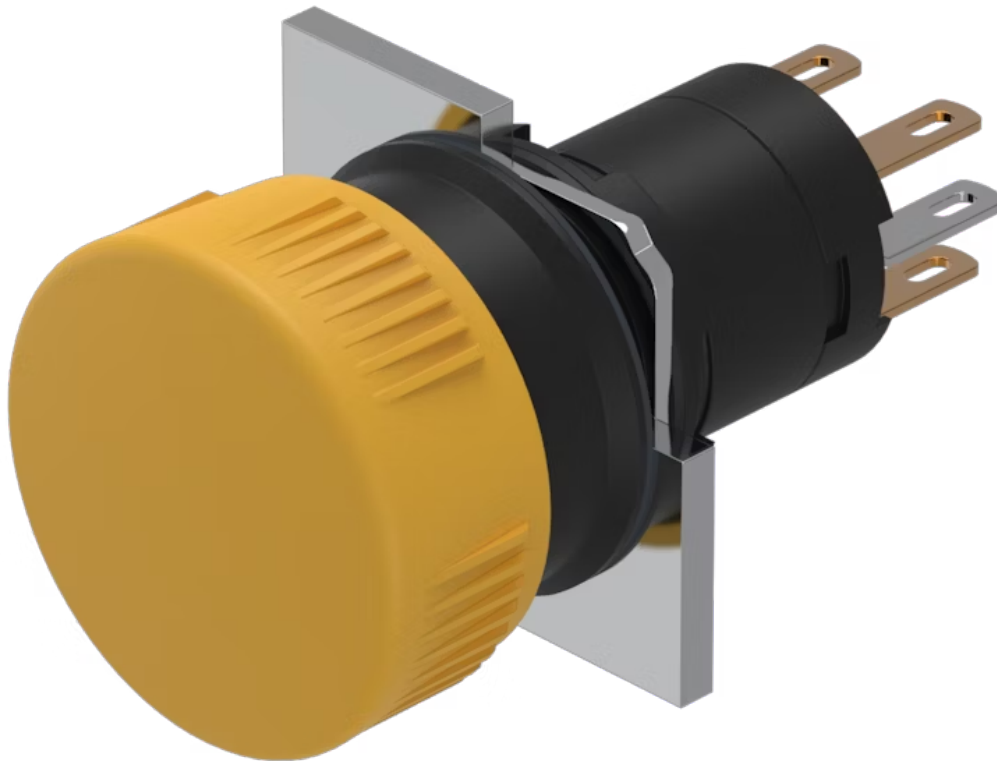


Actuator

51-
153.0224

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/p/51-153.0224>

Your product:



51-153.0224 Actuator

FRONT

Front dimension:	Ø 24,5 mm
Front bezel colour:	Black
Front bezel material:	Plastic

MOUNTING

Design:	raised
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OPERATING-/INDICATION PART

Lens shape:	mushroom-head
Lens colour:	Yellow
Lens illumination:	non illuminative
Lens optics:	opaque
Lens material:	Plastic

ELECTRICAL CHARACTERISTICS

Rated Operational Voltage U _e :	250 VAC/DC according to EN IEC 60947-1
Contacts:	1 NC / 1 NO
Protection class:	II
Electrical lifetime:	50 000 cycles of operation
Thermal current I _{th} :	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.
Standards:	According to EN/IEC 61058-1
Electric strength:	

2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

MECHANICAL CHARACTERISTIC

Operating force:	4 N ... 6 N
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.
Tightening torque:	Fixing nut max. 0.5 Nm
Weight:	0.008 kg
Mechanical lifetime:	2 Mio. cycles of operation
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 mm ² or 1 x 1.0 mm ²
Operating Travel:	3 mm
Switching action:	Momentary
Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Contact material:	Gold
Switching system:	Snap-action switching element

AMBIENT CONDITION

Climate resistance:	Standard condition, as per DIN EN 60068-2-30 Changing condition, as per DIN EN 60068-2-14
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
Storage temperature:	– 40 °C ... + 85 °C
Shock resistance:	15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)
IP front protection:	IP65, according to DIN EN 60529
Operating temperature:	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

CERTIFICATE

Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)
Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL

OTHER

Hints:

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

max. number of switching elements:

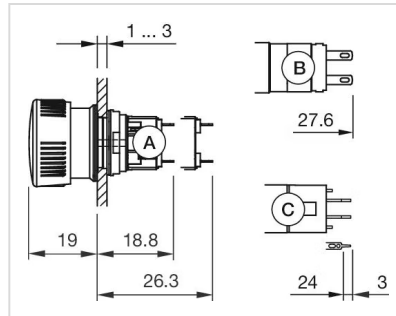
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Housing colour:

Black

Short Description:

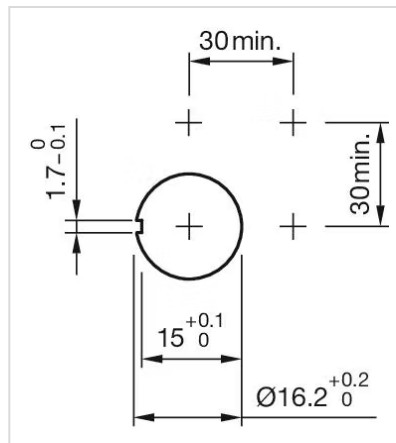
Actuator, Ø 24,5 mm, mushroom-head, non illuminative, Yellow, Plastic, opaque, Black, Plastic, 1 NC / 1 NO, Momentary, Plug-in terminal, 2.8 x 0.5 mm, IP65, according to DIN EN 60529

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

Mounting cut-outs:**Wiring diagrams:**