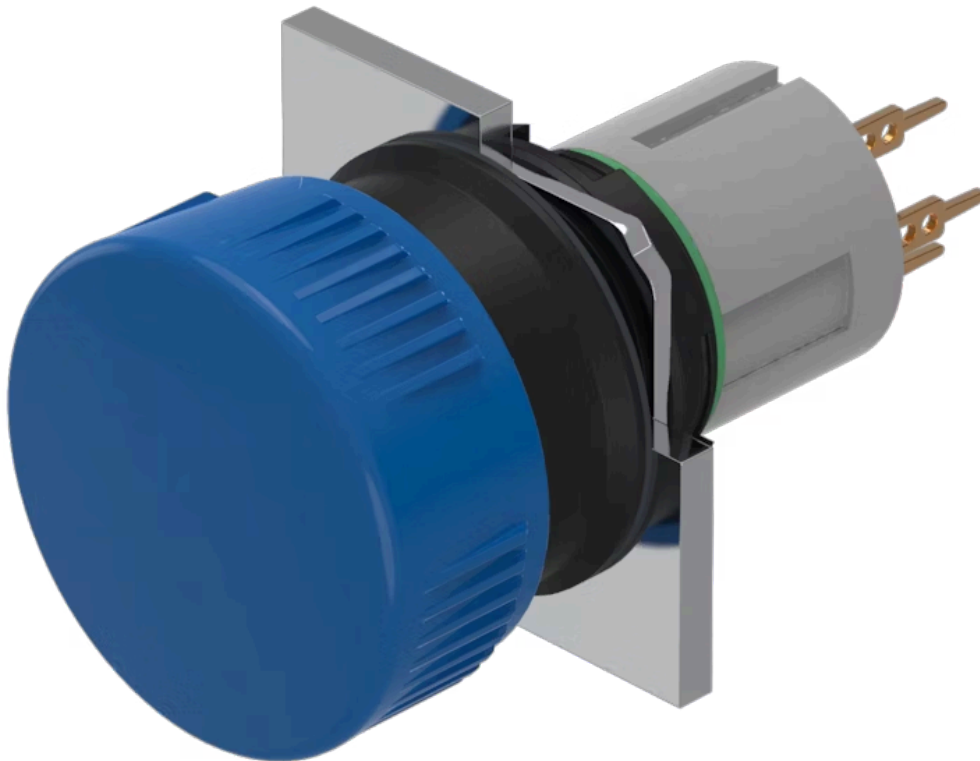


Actuator

51-
153.0266

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/p/51-153.0266>

Your product:



51-153.0266 Actuator

FRONT

Front dimension:	Ø 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:	Blue
Lens material:	Plastic
Lens illumination:	Non illuminated
Lens shape:	Mushroom-head
Lens optics:	opaque

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	100 mA at 42 VAC/VDC
Contacts:	1 NC / 1 NO
Switching rating:	42 V @ 0,1 A
Electric strength:	2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

MECHANICAL CHARACTERISTICS

Terminal:	Universal terminal, 2 x 0.5 mm
Contact material:	Gold
Switching action:	Momentary
Switching system:	Low-level element
Switching system:	<p>This low-level switching element was designed for switching low powers in electronic circuits. The mechanism assures reliable switching of loads ranging from a few $\mu\text{A}/\mu\text{V}$ up to 100 mA/ 42 VAC/DC.</p> <p>Single-break momentary contact, as normally open or normally closed with 4 independent points of contact. 2 momentary contacts per switching element; combination of normally open and normally closed is possible.</p> <p>Special features are the long life, extremely short rebound time and stable contact resistance.</p>
Mechanical lifetime:	5 Mil. cycles of operation
Operating force:	1,8 ... 3,5 N
Operating Travel:	3 mm
Tightening torque:	Fixing nut max. 0.5 Nm
Terminal details 1:	<p>The universal terminals permit these units to be mounted on printed circuit boards (PCB). These terminals can also be used as soldering or plug-in terminals.</p> <p>For these terminals we can also supply a plug-in base which, when soldered on to the board, enables the switch to be plugged in.</p>
Weight:	0.008 kg

AMBIENT CONDITION

IP front protection:	IP65, according to DIN EN 60529
Operating temperature:	- 25 °C ... + 55 °C
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)

CERTIFICATE

REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

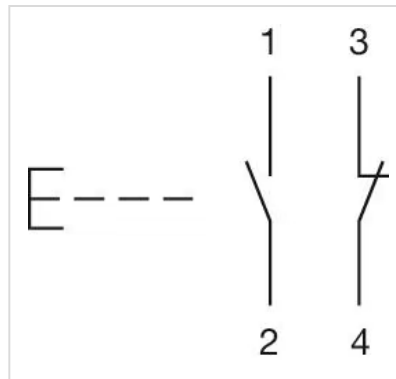
Short Description:	Actuator, Ø 24,5 mm, Mushroom-head, Non illuminated, Blue, Plastic, opaque, Round, Black, Plastic, 1 NC / 1 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529
Housing colour:	

Black

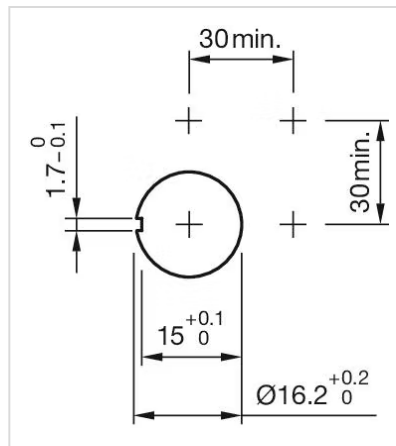
Hints:

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

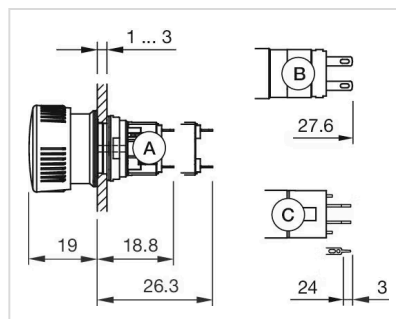
Wiring diagrams:



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