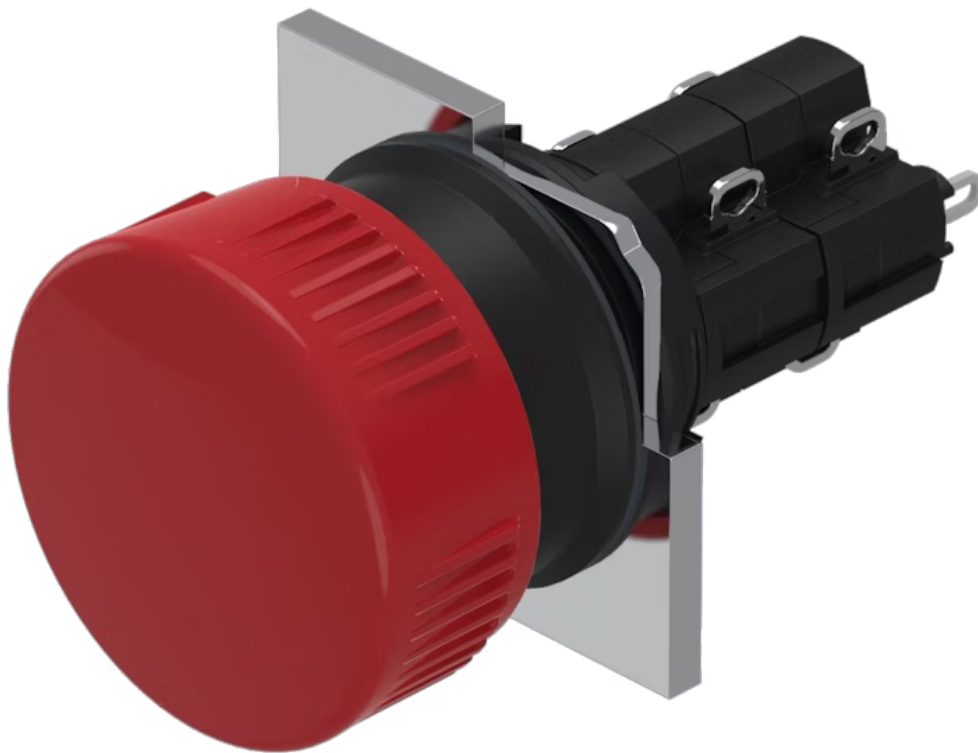


Actuator

51-
159.0252

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/p/51-159.0252>

Your product:



51-159.0252 Actuator

FRONT

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

MOUNTING

Design:	raised
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OPERATING-/INDICATION PART

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

ELECTRICAL CHARACTERISTICS

Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 60947-1
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.
Contacts:	2 NC / 2 NO
Standards:	According to EN/IEC 61058-1
Electrical lifetime:	50 000 cycles of operation
Protection class:	II
Electric strength:	

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

Switching voltage and switching current:	250 VAC, 5 A (ohmic)
	250 VAC, 2 A (inductive, $\cos(\phi) = 0.7$)
	125 VAC, 3 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)

MECHANICAL CHARACTERISTIC

Terminal:	Soldering terminal
Operating Travel:	3 mm
Weight:	0.011 kg
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.
Switching action:	Momentary
Wire cross section:	Snap-action switching element with tinned soldering terminals at the sides Max. wire diameter 2 wires à 1.2 mm Max. wire cross-section of stranded cable 1 x 1 mm ²
Operating force:	1,8 ... 6 N, depending on the number of switching elements
Mechanical lifetime:	2 Mio. cycles of operation
Tightening torque:	Fixing nut max. 0.5 Nm
Switching system:	Snap-action switching element
Contact material:	Gold

AMBIENT CONDITION

Operating temperature:	– 25 °C ... + 55 °C
Climate resistance:	Standard condition, as per DIN EN 60068-2-30 Changing condition, as per DIN EN 60068-2-14
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
IP front protection:	IP65, according to DIN EN 60529
Storage temperature:	– 40 °C ... + 85 °C

CERTIFICATE

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

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

OTHER**max. number of switching elements:**

2

Housing colour:

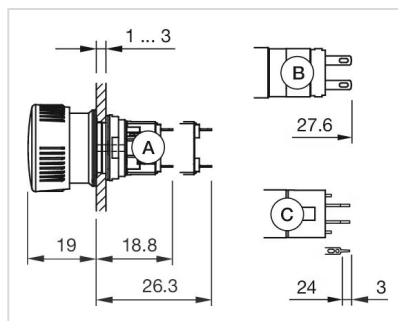
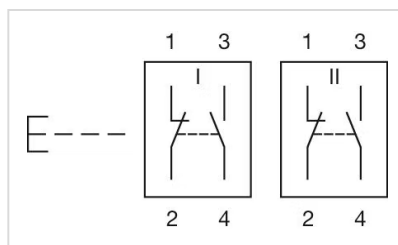
Black

Short Description:

Actuator, Ø 24,5 mm, mushroom-head, non illuminative, Red, Plastic, opaque, Black, Plastic, 2 NC / 2 NO, Momentary, Soldering terminal, IP65, according to DIN EN 60529

Hints:

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

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