Your Expert Partner for **Human Machine Interfaces**

Actuator

Distribution by
DigiKey

51-
283.0252



https://digikey.eao.com/p/51-283.0252

Your product:



51-283.0252
Actuator

FRONT

Front bezel colour:	Black
Front dimension:	18 mm x 18 mm
Front bezel material:	Plastic

MOUNTING

Design:	raised

OPERATING-/INDICATION PART

Lens illumination:	illuminative

ELECTRICAL CHARACTERISTICS

Protection class:	II
Contacts:	3 NC / 3 NO
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.
Electrical lifetime:	50 000 cycles of operation
Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 60947-1
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)
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 CHARATERISTIC

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
Contact material:	Gold
Operating Travel:	3 mm
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.
Operating force:	1,8 ... 6 N, depending on the number of switching elements
Weight:	0.01 kg
Switching system:	Snap-action switching element
Mechanical lifetime:	1 Mio. cycles of operation
Tightening torque:	Fixing nut max. 0.5 Nm
Terminal:	Soldering terminal
Switching action:	Maintained

AMBIENT CONDITION

Storage temperature:	– 40 °C ... + 85 °C
Operating temperature:	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
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
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

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

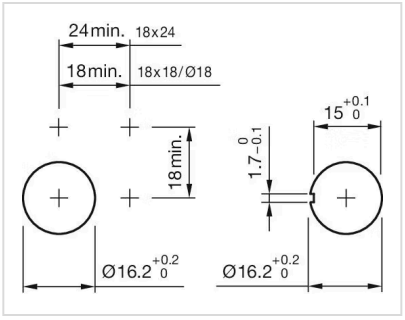
Short Description:

Actuator, 18 mm x 18 mm, illuminative, Black, Plastic, 3 NC / 3 NO, Maintained, Soldering terminal, IP65, according to DIN EN 60529

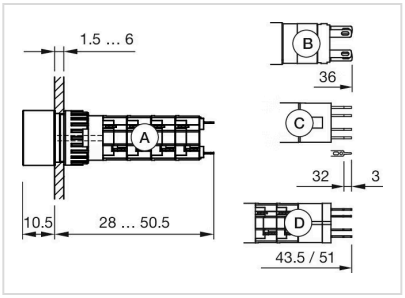
Housing colour: Black

Internal size: 15,3 mm x 15,3 mm

Mounting cut-outs:



Dimension drawings:



Wiring diagrams:

