

# Actuator

51-

124.0252









## 51-124.0252 Actuator

### **FRONT**

Front dimension: 24 mm x 18 mm

Front form: Rectangular

Front bezel colour: Black

Front bezel material: Plastic

#### **MOUNTING**

**Design:** Raised

Mounting type: Panel mounting

## **OPERATING-/INDICATION PART**

Lens illumination: Illuminated

## **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching 250 VAC, 5 A (ohmic) current: 250 VAC, 3 A (Solderi

current: 250 VAC, 3 A (Soldering terminal)

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)

Contacts: 4 NC / 4 NO

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

Switching rating: 250 V @ 3 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:

The maximum current in continuous operation and at ambient temperature not

exceeding the quoted maximum values.

ЗА

#### **MECHANICAL CHARACTERISTICS**

**Terminal:** Soldering terminal

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 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<sup>2</sup>

**Weight:** 0.011 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, EAC, ENEC (EN 61058-1), UL, VDE

Ce, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)

**REACH:** REACH compliant

**RoHS:** RoHS compliant

#### **OTHER**

Short Description: Actuator, 24 mm x 18 mm, Illuminated, Rectangular, Black, Plastic, 4 NC / 4 NO,

Momentary, Soldering terminal, IP65, according to DIN EN 60529

Internal size: 21,5 mm x 15,3 mm

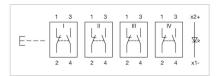
Housing colour: Black

max. number of switching

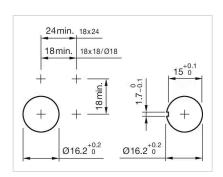
elements:

4

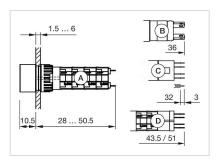
Wiring diagrams:



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

D = Universal-Solder terminal