

# Actuator

51-  
749.0292

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## 51-749.0292

### Actuator

#### FRONT

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

#### MOUNTING

Design:	raised
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#### OPERATING-/INDICATION PART

Lens illumination:	illuminative
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#### ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	250 VAC, 5 A (ohmic) 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)
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:	II
Rated Operational Voltage $U_e$ :	250 VAC/DC according to EN IEC 60947-1
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

**Contacts:** 2 NC / 2 NO

## MECHANICAL CHARACTERISTIC

**Mechanical lifetime:** 1 Mio. cycles of operation

**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.

**Operating Travel:** 3 mm

**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>

**Switching action:** Maintained

**Switching system:** Snap-action switching element

**Weight:** 0.01 kg

**Tightening torque:** Fixing nut max. 0.5 Nm

**Contact material:** Gold

**Terminal:** Universal soldering terminal

## AMBIENT CONDITION

**Shock resistance:** 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)

**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

**IP front protection:** IP65, according to DIN EN 60529

**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

## CERTIFICATE

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

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

## OTHER

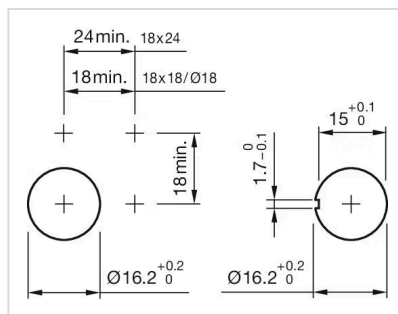
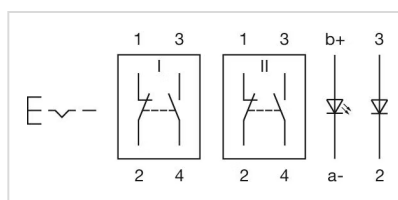
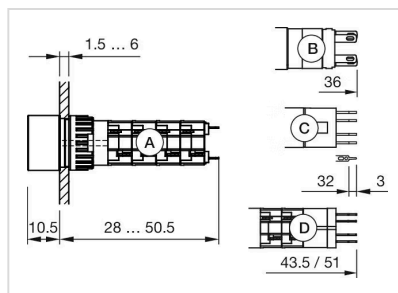
**Housing colour:** Black

**Short Description:**

Actuator, Ø 18 mm, illuminative, Black, Plastic, 2 NC / 2 NO, Maintained, Universal soldering terminal, IP65, according to DIN EN 60529

**Internal size:**

Ø 15,8 mm

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