

Actuator

31-
710.0292

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Your product:



31-710.0292 Actuator

FRONT

| | |
|------------------------------|---------------|
| Front bezel colour: | Black |
| Front form: | square |
| Front dimension: | 18 mm x 18 mm |
| Front bezel material: | Plastic |

MOUNTING

| | |
|--------------------------|---------|
| Mounting cut-out: | Ø 16 mm |
| Design: | raised |

OPERATING-/INDICATION PART

| | |
|---------------------------|--------------|
| Lens illumination: | illuminative |
|---------------------------|--------------|

ELECTRICAL CHARACTERISTICS

| | |
|---|--|
| Protection class: | II |
| Standards: | According to EN/IEC 61058-1 |
| Rated Operational Voltage U_e: | 250 VAC/VDC |
| 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) 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 |
| Contacts: | 1 NC / 1 NO |
| Electric strength: | |

2500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth

Thermal current I_{th}: 5 A

MECHANICAL CHARACTERISTIC

Switching system: Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 0.5 mm), 1 normally closed and 1 normally open contact per element.

Operating Travel: ca. 3 mm

Switching system: Snap-action switching element

Mechanical lifetime: 2 Mio. cycles of operation

Switching action: Momentary

Contact material: Gold

Operating force: 2 N ... 5,5 N, depending on the number of switching elements

Tightening torque: Fixing nut max. 0.5 Nm

Weight: 0.008 kg

Terminal: Universal soldering terminal

AMBIENT CONDITION

Storage temperature: – 40 °C ... + 85 °C

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

Climate resistance: Standard condition according to IEC 60068-2-3
Changing condition according to IEC 60068-2-14

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

Vibration resistance: 10 g at 10 Hz...2000 Hz, amplitude 1.5 mm (Sinusoidal), according to DIN EN 60512-4-4, DIN EN 60068-2-6

IP Protection: IP40 front side, IP67 with front protective cap

CERTIFICATE

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

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

OTHER

max. number of switching elements: 1

