

Actuator

31-
715.0292

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Your product:



31-715.0292 Actuator

FRONT

| | |
|------------------------------|---------------|
| Front dimension: | 24 mm x 18 mm |
| Front form: | rectangular |
| Front bezel colour: | Black |
| Front bezel material: | Plastic |

MOUNTING

| | |
|--------------------------|----------------|
| Design: | raised |
| Mounting cut-out: | Ø 16 mm |
| Mounting type: | Panel mounting |

OPERATING-/INDICATION PART

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

ELECTRICAL CHARACTERISTICS

| | |
|---|--|
| Contacts: | 2 NC / 2 NO |
| 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) |
| Rated Operational Voltage Ue: | 250 VAC/VDC |
| Switching rating: | 250 V @ 5 A |
| Electrical lifetime: | 50 000 cycles of operation |
| Electric strength: | |

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

| | |
|--|-----------------------------|
| Protection class: | II |
| Standards: | According to EN/IEC 61058-1 |
| Thermal current I_{th}: | 5 A |

MECHANICAL CHARACTERISTIC

| | |
|-----------------------------|--|
| Terminal: | Universal soldering terminal |
| Contact material: | Gold |
| Switching action: | Maintained |
| Switching system: | Snap-action switching element |
| 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. |
| Mechanical lifetime: | 1 Mio. cycles of operation |
| Operating force: | 2 N ... 5,5 N, depending on the number of switching elements |
| Operating Travel: | ca. 3 mm |
| Tightening torque: | Fixing nut max. 0.5 Nm |
| Wire cross section: | Max. wire cross-section 1 wire with 1.5 mm Max. wire cross-section of stranded cable 2 of 0.75 mm ² or 1 x 1.0 mm ² |
| Weight: | 0.01 kg |

AMBIENT CONDITION

| | |
|-------------------------------|---|
| IP Protection: | IP40 front side, IP67 with front protective cap |
| Operating temperature: | - 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely |
| 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) |
| 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 |
| Climate resistance: | Standard condition according to IEC 60068-2-3 Changing condition according to IEC 60068-2-14 |

CERTIFICATE

| | |
|----------------------|---|
| Approbations: | CB (IEC 61058-1), CSA, DNV, ENEC (EN 61058-1), UL |
| Conformities: | CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |

REACH: REACH compliant

RoHS: RoHS compliant

OTHER

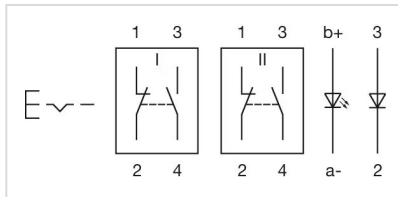
Short Description: Actuator, Ø 16 mm, 24 mm x 18 mm, illuminative, rectangular, Black, Plastic, 2 NC / 2 NO, Maintained, Universal soldering terminal

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

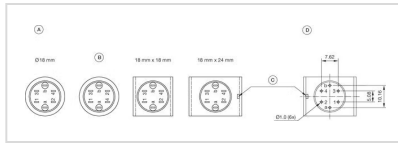
Housing colour: Black

max. number of switching elements: 1

Wiring diagrams:

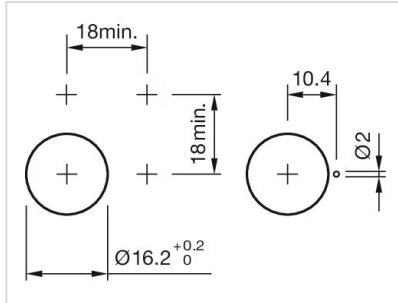


Component layouts:

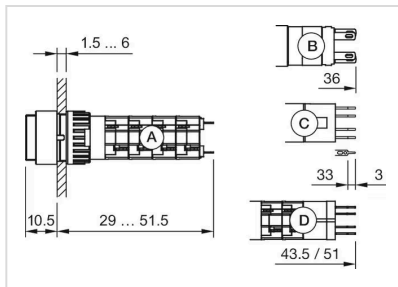


A = Terminals (rear side)
B = Diode block
C = Anti twist device only 18 mm x 24 mm
D = Drilling plan (component side)

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