

Actuator

31-
744.0292

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Your product:



31-744.0292 Actuator

FRONT

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

MOUNTING

Design:	raised
Mounting cut-out:	Ø 16 mm

OPERATING-/INDICATION PART

Lens illumination:	illuminative
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ELECTRICAL CHARACTERISTICS

Electric strength:	2500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth
Rated Operational Voltage Ue:	250 VAC/VDC
Contacts:	1 NC / 1 NO
Thermal current Ith:	5 A
Electrical lifetime:	50 000 cycles of operation
Protection class:	II
Standards:	According to EN/IEC 61058-1
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)

MECHANICAL CHARACTERISTIC

Switching system:	Snap-action switching element
Operating Travel:	ca. 3 mm
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.
Tightening torque:	Fixing nut max. 0.5 Nm
Terminal:	Universal soldering terminal
Weight:	0.008 kg
Switching action:	Momentary
Operating force:	2 N ... 5,5 N, depending on the number of switching elements
Mechanical lifetime:	2 Mio. cycles of operation
Contact material:	Gold
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

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

CERTIFICATE

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

Short Description:

Actuator, Ø 16 mm, Ø 18 mm, illuminative, round, Black, Plastic, 1 NC / 1 NO, Momentary, Universal soldering terminal

Internal size:

Ø 15,8 mm

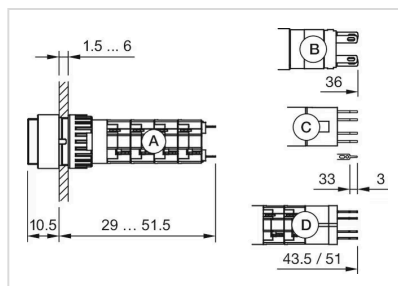
max. number of switching elements:

1

Housing colour:

Black

Dimension drawings:



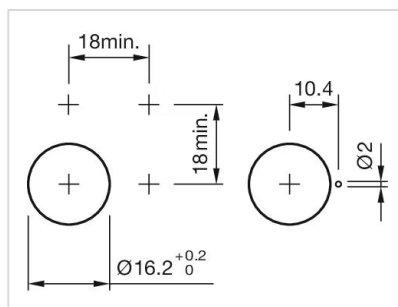
A = Solder terminal

B = Plug-in terminal 2.8 mm x 0.5 mm

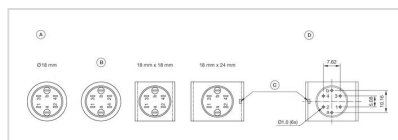
C = Universal terminal 2.0 mm x 0.5 mm

D = Universal-Solder terminal

Mounting cut-outs:



Component layouts:



A = Terminals (rear side)

B = Diode block

C = Anti twist device only 18 mm x 24 mm

D = Drilling plan (component side)

Wiring diagrams:

