

Actuator

51-
714.0292

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Your product:



51-714.0292

Actuator

FRONT

Front bezel material:	Plastic
Front dimension:	24 mm x 18 mm
Front bezel colour:	Black

MOUNTING

Design:	raised
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OPERATING-/INDICATION PART

Lens illumination:	illuminative
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ELECTRICAL CHARACTERISTICS

Electrical lifetime:	50 000 cycles of operation
Rated Operational Voltage U_e :	250 VAC/DC according to EN IEC 60947-1
Protection class:	II
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:	1 NC / 1 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) 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)

Electric strength: 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

MECHANICAL CHARACTERISTIC

Terminal: Universal soldering terminal

Operating Travel: 3 mm

Operating force: 4 N ... 6 N

Weight: 0.008 kg

Switching system: Snap-action switching element

Mechanical lifetime: 1 Mio. cycles of operation

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 mm²

Tightening torque: Fixing nut max. 0.5 Nm

Switching system: Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.

Contact material: Gold

Switching action: Maintained

AMBIENT CONDITION

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

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

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

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

IP front protection: IP65, according to DIN EN 60529

Climate resistance: Standard condition, as per DIN EN 60068-2-30
Changing condition, as per DIN EN 60068-2-14

CERTIFICATE

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

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

OTHER

Housing colour:

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

max. number of switching elements: 4

Technical drawing of a 100 mm diameter roller bearing. The main view shows the bearing with dimensions: 1.5 ... 6 mm for the inner ring width, 10.5 mm for the outer ring width, and 28 ... 50.5 mm for the bearing length. The bearing is labeled with 'A' in the center, 'B' on the top flange, 'C' on the bottom flange, and 'D' on the side flange. The side flange is dimensioned as 43.5 / 51 mm. The top flange is dimensioned as 36 mm. The bottom flange is dimensioned as 32 mm. The side flange is dimensioned as 3 mm.

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