Illuminated pushbutton Ø 19 mm silver contact

82-5151.2123

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FRONT

Front bezel material: Stainless steel

Front form: round

Front dimension: Ø 22 mm

Front bezel shape: flush

MOUNTING

Mounting type: Panel mounting

Mounting cut-out: Ø 19 mm

OPERATING-/INDICATION PART

Lens optics: opaque

Lens illumination: illuminative

Shape of illumination: Ring

Lens shape: flush

Illumination colour: Blue

Lens colour: Silver

Lens material: Stainless steel

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

according to IEC 60947-5-1 (Silver contacts)
Service categorie AC-15

Voltage	Current
24 VAC	1 A
35 VAC	1 A (M12 version)
110 VAC	1 A
220 VAC	0.5 A

Switch rating DC service categorie DC-13 (Silver contacts)

Voltage	Current
24 VDC	0.7 A
35 VDC	0.5 A (M12 version)
110 VDC	0.2 A
220 VDC	0.1 A

according to UL 508 (Silver contacts)
cosφ 0,75 … 0,8

Voltage	Current
120 VAC	5 A
240 VAC	3 A
24 VAC	1 A

Rated Operational Voltage Ue: 250 VAC

Contacts: 1 C

Operation current: 7 mA

Electrical lifetime: 50 000 cycles of operation

Electric strength: 1500 VAC, 50 Hz 1 minute between life terminals and ground

Pollution degree: 2, according to EN IEC 60947-1

Thermal current Ith: 5 A

Operating voltage: 12 V AC/DC

Rated insulation voltage Ui: 250 V

MECHANICAL CHARATERISTIC

Switching action: Maintained

Terminal: Soldering terminal, 2.8 x 0.5 mm

Tightening torque: 0.5 … 0.6 Nm

Mechanical lifetime: 500 000 cycles of operation

Switching system: Snap-action switching element

Contact material: Silver

Operating force: 4 N … 7 N

Operating Travel: ca. 3 mm

Weight: 0.018 kg

AMBIENT CONDITION

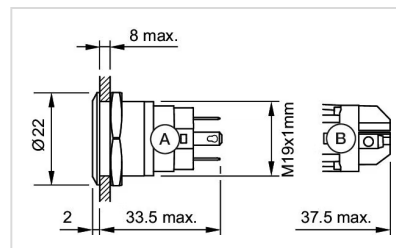**Vibration resistance:**   10 … 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

Shock resistance: Max. 500 m / s^2 as per IEC 60068-2-27

IP front protection: IP65, IP67

Storage temperature: – 40 °C … + 80 °C

Operating temperature: – 30 °C … + 70 °C

Climate resistance: Damp heat, 21 days according to IEC 60512-11

CERTIFICATE

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

Approbations: CB, CCC, C UL, UL
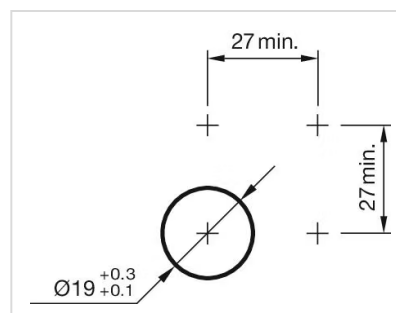

OTHER

Kind of illlumination: Single-LED

Short Description: Illuminated pushbutton Ø 19 mm silver contact, Maintained, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, round, Stainless steel, Blue, Silver

Dimension drawings:

A = Solder terminal
B = Screw terminal

Mounting cut-outs:

Component layouts:

Wiring diagrams: