

Push button, illuminated push button with connector M12, Ø 22 mm, stainless steel 316L, cable 200 mm, 90°

82-665G.2000



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Your product:

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Push button, illuminated push button with connector M12, Ø 22 mm, stainless steel 316L, cable 200 mm, 90°

#### FRONT

**Front dimension:** Ø 25 mm

**Front form:** Round

**Front bezel material:** Stainless steel 316L

**Front bezel shape:** Flush

#### MOUNTING

**Mounting cut-out:** Ø 22 mm

**Mounting type:** Panel mounting

#### OPERATING-/INDICATION PART

**Lens colour:** Silver

**Lens material:** Stainless steel 316L

**Lens illumination:** Non illuminated

**Lens shape:** Flush

**Lens optics:** opaque

#### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

according to UL 508 (Silver contacts)  
 $\cos\phi$  0,75 ... 0,8

Voltage

120 VAC

240 VAC

24 VAC

Current

5 A

3 A

1 A

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

**Rated Operational Voltage Ue:** 250 VAC

**Rated insulation voltage Ui:** 250 V

**Switching rating:** 35 V AC/DC @ 0,6 A

**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

## MECHANICAL CHARACTERISTICS

**Terminal:** Cable 200 mm, 90°, Connector M12

**Switching action:** Maintained

**Switching system:** Snap-action switching element

**Mechanical lifetime:** 500 000 cycles of operation

**Operating force:** 4 N ... 7 N

**Operating Travel:** ca. 3 mm

**Tightening torque:** 0.5 ... 0.6 Nm

**Weight:** 0.046 kg

## AMBIENT CONDITION

**IP front protection:** IP65, IP67

**Operating temperature:** - 30 °C ... + 70 °C

**Storage temperature:** - 40 °C ... + 80 °C

**Shock resistance:** Max. 500 m / s<sup>2</sup> as per IEC 60068-2-27

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

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

## CERTIFICATE

### Conformities:

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

### REACH:

REACH compliant

### RoHS:

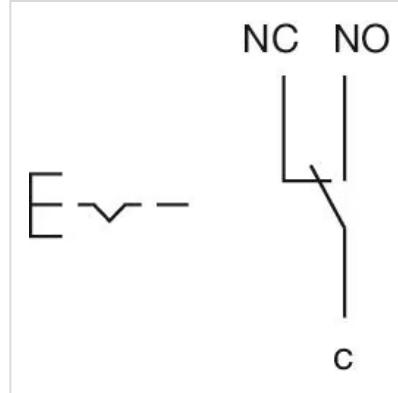
RoHS compliant

## OTHER

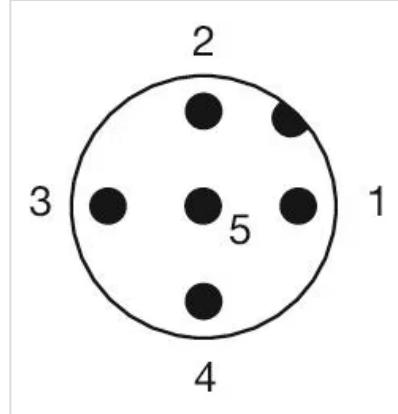
### Short Description:

Push button, illuminated push button with connector M12, Ø 22 mm, stainless steel 316L, cable 200 mm, 90°, Maintained, 35 V AC/DC @ 0.6 A, Cable 200 mm, 90°, Connector M12, Round, Stainless steel 316L, Silver

### Wiring diagrams:



### Component layouts:



1 = NC  
2 = LED+  
3 = Common  
4 = LED-  
5 = NO  
A-Coded

### Mounting cut-outs:



**Dimension drawings:**

