

# Illuminated pushbutton, connector M12, Ø 22 $_{\tiny Distribution\ by}$ mm, stainless steel 316L, cable 200 mm, $180^{\tiny MgiKey}$



82-665A.1154





## Your product:



# 82-665A.1154 Illuminated pushbutton, connector M12, Ø 22 mm, stainless steel 316L, cable 200 mm, 180°

#### **FRONT**

Ø 25 mm Front dimension:

Front form: Round

Front bezel material: Stainless steel 316L

Flush Front bezel shape:

#### **MOUNTING**

Mounting cut-out: Ø 22 mm

Mounting type: Panel mounting

#### **OPERATING-/INDICATION PART**

Lens colour: Silver

Lens material: Stainless steel 316L

Lens illumination: Illuminated

Lens shape: Flush

Lens optics: opaque

Illumination colour: White

Shape of illumination: Ring (Tritan)

#### **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching current:

according to UL 508 (Silver contacts)

 $\cos \varphi \ 0.75 \dots 0.8$ 

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

**Operating voltage:** 24 V DC (LED)

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, 180°, Conntector M12

**Switching action:** Momentary

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

**Mechanical lifetime:** 1 Mil. cycles of operation

**Operating force:**  $4 \text{ N} \dots 7 \text{ N}$ 

**Operating Travel:** ca. 3 mm

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

**Weight:** 0.062 kg

#### **AMBIENT CONDITION**

IP front protection: IP65, IP67

**Operating temperature:**  $-30 \, ^{\circ}\text{C} \, ... + 70 \, ^{\circ}\text{C}$ 

Storage temperature:  $-40 \, ^{\circ}\text{C} \dots + 80 \, ^{\circ}\text{C}$ 

**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

#### **CERTIFICATE**

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

**REACH:** REACH compliant

RoHS: RoHS compliant

#### **OTHER**

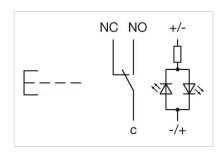
**Short Description:** Illuminated pushbutton, connector M12, Ø 22 mm, stainless steel 316L, cable 200

mm, 180°, Momentary, 35 V AC/DC @ 0,6 A, 24 V DC (LED), Cable 200 mm, 180°,

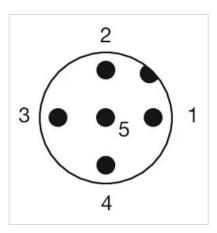
Conntector M12, Round, Stainless steel 316L, White, Silver

Kind of illlumination: Single-LED

Wiring diagrams:



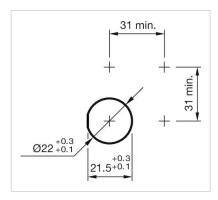
**Component layouts:** 



1 = NC 2 = LED+ 3 = Common 4 = LED-

5 = NO A-Coded

Mounting cut-outs:



### Dimension drawings:

