

Your Expert Partner for Human Machine Interfaces

## Illuminated pushbutton $\emptyset$ 22 mm silver contact





82-6551.2113





https://mouser.eao.com/p/82-6551.2113

### Your product:



# 82-6551.2113Illuminated pushbutton Ø22 mm silver contact

#### FRONT

Front dimension:	Ø 25 mm
Front form:	Round
Front bezel material:	Aluminium
Front bezel shape:	Flush

#### MOUNTING

Mounting cut-out:	Ø 22 mm
Mounting type:	Panel mounting

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

Lens colour:	Nature
Lens material:	Aluminium
Lens illumination:	Illuminated
Lens shape:	Flush
Lens optics:	opaque
Illumination colour:	Red
Shape of illumination:	Ring

#### **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching current:

according to IEC 60947-5-1 (Silver contacts) Service categorie AC-15 Voltage 24 VAC 35 VAC 110 VAC 220 VAC Switch rating DC service categorie DC-13 (Silver contacts) Voltage 24 VDC 35 VDC 110 VDC 220 VDC

according to UL 508 (Silver contacts) cosφ 0,75 0,8 Voltage 120 VAC 240 VAC 24 VAC 24 VAC	Current 5 A 3 A 1 A
Contacts:	1 C
Operating voltage:	12 V AC/DC
Operation current:	7 mA
Rated Operational Voltage Ue:	250 VAC
Rated insulation voltage Ui:	250 V
Switching rating:	240 V
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

Current

1 A

0.5 A

Current

0.7 A

0.2 A

0.1 A

1 A 1 A (M12 version)

0.5 A (M12 version)

#### **MECHANICAL CHARATERISTIC**

Terminal:	Soldering terminal, 2.8 x 0.5 mm
Contact material:	Silver
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:	0.018 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 / s² 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

Approbations:	CB, CCC, C UL, UL
Conformities:	CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

#### OTHER

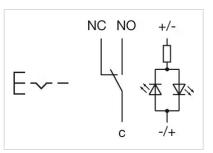
**Short Description:** 

Kind of illlumination:

Wiring diagrams:

Illuminated pushbutton Ø 22 mm silver contact, Maintained, 240 V, 12 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Aluminium, Red, Nature

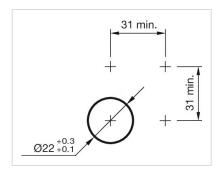
Single-LED



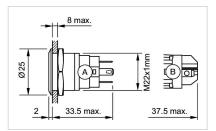
**Component layouts:** 



#### Mounting cut-outs:



#### **Dimension drawings:**



A = Solder terminal B = Screw terminal