

# Illuminated pushbutton 9.1 mm, with included LED, momentary contact function, 1 NC + 1 NO, bezel red



- fields of application**
- > Mechanical and system engineering
  - > Model construction
  - > Home technology



## description

Mounting hole diameter 9.1 mm, max. 24 V / 500 mA, with integrated LED / filament lamp

### Recommended values for LED series resistor

- 5 - 7 V = 270 Ohm , 0.25 W
  - 12 - 14 V = 680 Ohm, 0.5 W
  - 24 - 28 V = 1500 Ohm, 1 W
- LED forward current: max. 10 mA at T = 25° C
- LED forward voltage: 2 V at 10 mA
- LED reverse voltage: 5 V
- LED reverse current: 0.1 mA
- LED power dissipation: max. 120 mW at T = 50° C

Contact assignment: 1-2 = normally closed, 3-4 = normally open, X1-X2 = LED.

Observe correct polarity: positive to LED anode, the anode is marked with a colored dot.

## technical data

> **general**

Bezel color	red
Property of bezel / mushroom	transparent
Collar shape	round
Operating temperature, min.	-25 °C
Operating temperature, max.	55 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	80 °C
illuminated	Yes

**direct links**

- > [RAFI eCatalog](#)

Luminous elements	LED
Soldering time for manual soldering, max.	3 sec
Soldering temperature for manual soldering	350 °C
Soldering	Manual soldering
Packaging	Box
Packaging unit	10 pcs.
net weight	2.2 g
Operating life	200,000 cycles
B10	260,000 cycles
Degree of protection, front side, according to DIN EN 60529	IP40
MOQ order	50 pcs.
RoHS compliant	Yes
REACH compliant	Yes
<b>&gt; mounting diameters</b>	
Outside dimension, length	11 mm
Outside dimension, width	11 mm
Outside dimension, height	32 mm
Mounting hole	9.1 mm
Mounting depth	25 mm
Installation height	7 mm
<b>&gt; mechanical data</b>	
Actuation function	momentary contact function
Operating force, min.	5 N
Operating travel, max.	1.5 mm
Contact function	1 NC + 1 NO
Contact system	Bridge contact
Contact material	Gold
Fixing	Threaded ring
Solderability	Yes
Terminal on the rear	Solder terminal
<b>&gt; electrical data</b>	
Operating voltage of the luminous element, max.	2 V
Rated voltage, max.	24 V
Operating current of the luminous element, max.	10 mA
Rated current, max.	0.5 A