

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



## 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                  | transparent |
| 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                      |