

**Pushbutton (illuminated) - mounting hole diameter 9.1 mm, 24 V/0.5 A**



**Technical Data**

**General information**

Form of lens protruding lens  
 Colour of lens see order block  
 Form of collar round

Contact resistance when new max. 50 mΩ  
 Contact resistance acc. to life max. 300 mΩ  
 Bouncing time max. 10 ms  
 Lamp voltage see order block

**Dimensions**

Diameter of collar 11 mm  
 Overall height 7 mm  
 Mounting depth 25 mm  
 Mounting hole 9.1 mm

**Other specifications**

Operating life key switch 200,000  
 Operating life filament lamp see order block  
 Degree of protection from front side IP40  
 Operation temperature min. -25 °C  
 Ambient temp. operating max. +70 (LED +55) °C  
 Storage temperature min. -40 °C  
 Storage temperature max. +80 °C  
 Environmental resistance acc. to IEC 60068-2 -14, -30, -33 and -78

**Mechanical design**

Mounting ring nut  
 Terminals solder terminals  
 Contact system bridge contact  
 Contact function momentary  
 Contact arrangement 1 NC + 1 NO  
 Contact materials Au  
 Illumination see order block  
 Lamp socket no

Soldering temperature max. 350 °C  
 Weight 3 g  
 Soldering time max. 3 s  
 LED operating voltage see order block  
 LED forward current see order block  
 LED forward voltage see order block  
 LED reverse voltage see order block  
 LED reverse current see order block  
 LED power dissipation see order block  
 LED series resistor 5-7 V see order block  
 LED series resistor 12-14 V see order block  
 LED series resistor 24-28 V see order block

**Mechanical characteristics**

Operating force max. 5 N  
 Operating travel 1.5 mm  
 Switching travel NC 0.5 mm  
 Switching travel NO 1 mm  
 Robustness min. 100 N

**Electrical characteristics**

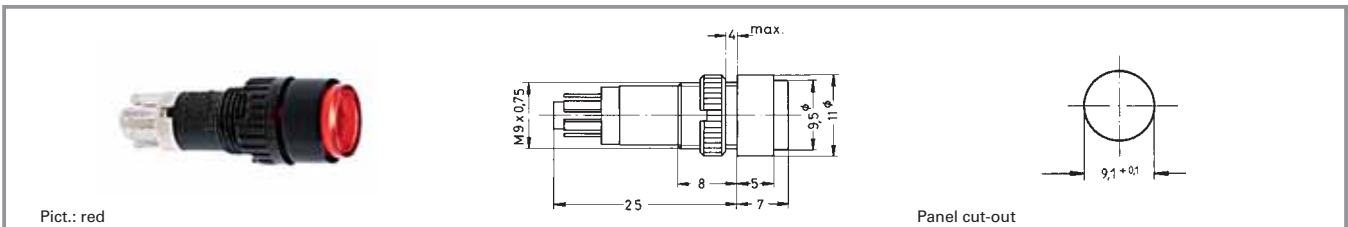
Rated voltage AC/DC max. 24 V  
 Rated voltage DC max. 24 V  
 Rated current max. 0.5 A

Other Pushb.

**Typical accessories Pushbutton (illuminated) - mounting hole diameter 9.1 mm, 24 V/0.5 A**

Description	Photo	Order no.	Additional accessories see page
Fixing spanner M 9, M 10		<b>5.58.002.025/0105</b>	5 - 21

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Contact arrangement	Contact function	Illumination	Lamp voltage	Colour of lens	Order no.
1 NC + 1 NO	momentary	LED super bright white	2 V/10 mA external series resistor	transparent white	<b>1.15.106.505/1000</b>
1 NC + 1 NO	momentary	LED super bright red	2 V/10 mA external series resistor	transparent red	<b>1.15.106.501/1300</b>
1 NC + 1 NO	momentary	LED super bright yellow	2 V/10 mA external series resistor	transparent yellow	<b>1.15.106.503/1400</b>
1 NC + 1 NO	momentary	LED super bright green	2 V/10 mA external series resistor	transparent green	<b>1.15.106.502/1500</b>
1 NC + 1 NO	momentary	LED super bright blue	2 V/10 mA external series resistor	transparent blue	<b>1.15.106.504/1600</b>
1 NC + 1 NO	momentary	filament lamp	24 V / 0.7 W	transparent colourless	1.15.106.021/1002
1 NC + 1 NO	momentary	filament lamp	24 V / 0.7 W	transparent red	1.15.106.021/1307
1 NC + 1 NO	momentary	filament lamp	24 V / 0.7 W	transparent yellow	1.15.106.021/1403
1 NC + 1 NO	momentary	filament lamp	24 V / 0.7 W	transparent green	1.15.106.021/1510
1 NC + 1 NO	momentary	no	-	opaque black	1.15.106.301/0104
1 NC + 1 NO	momentary	no	-	opaque white	1.15.106.301/0214
1 NC + 1 NO	momentary	no	-	opaque red	1.15.106.301/0313
1 NC + 1 NO	momentary	no	-	opaque yellow	1.15.106.301/0410
1 NC + 1 NO	momentary	no	-	opaque green	1.15.106.301/0518

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Recommended values for external series resistor for LED

- 5 - 7 V = 270 Ω, 0.25 W
- 12 - 14 V = 680 Ω, 0.5 W
- 24 - 28 V = 1500 Ω, 1 W

LED forward current: max. 10 mA at T = 25° C

LED forward voltage: 2V at 10 mA

LED reverse voltage: 5 V

LED reverse current: 0,1 mA

LED power dissipation: max. 120 mW at T = 50° C

Please note: connect plus with the LED anode, which is marked with a colour point.

Operating life filament lamp: approx. 2,000 h.