

## Frontpanel Switch / Momentary Action, Medium Stroke, 10 mm



### Approvals and Compliances

#### Description

- Available in version square or round in different colours
- non-illuminated or illuminated
- 1- or 2-pole
- Frontpanel and PCB Mounting
- Solder, THT or solder lugs

#### Unique Selling Proposition

- Absolute reliability and simple assembly
- Compact design with very small mounting depth
- Good illumination

#### Characteristics

- IEC/UL 60950

#### Weblinks

[html-datasheet](#), [General Product Information](#), [CAD-Drawings](#), [Product News](#), [Detailed request for product](#)

### Technical Data

#### Electrical Data

Switching Voltage	min. 100 mVAC/DC , max. 48 VAC / 48 VDC
Switching Current	max. 200 mA
Lifetime	> 100'000 actuations at Rated Switching Capacity 1.2 W
Contact Resistance	< 20mΩ < 25 mΩ after lifetime
Insulation Resistance	> 10'000 MΩ
Duration of Bounce	typ. 0.5 ms

#### Mechanical Data

Actuating Force	1.2 ± 0.6 N
Actuating Travel	1.3 ± 0.5 mm
End Actuating Travel	2.9 ± 0.5 mm
End Stop Strength	> 50 N
Lifetime	> 100'000 actuations

#### Climatical Data

Operating Temperature	illuminated -25 °C to 60 °C non-illuminated -25 °C to 85 °C
Storage Temperature	illuminated -25 °C to 60 °C non-illuminated -25 °C to 85 °C
IP-Protection	IP 40

#### Other Data

Solderability	235 °C / 2 sec (IEC 60068-2-20 Test Ta Method 1)
Resistance to Soldering Heat	260 °C / 5 sec (IEC 60068-2-20 Test Tb Method 1A)

#### Material


Socket	Thermoplastic (PES)
Button	Thermoplastic (PC)
Contact	CuZn37 5 µm Ag
Contact spring	CuBe37 5 µm Ag
Terminals	CuZn37 4 µm SN Pb 40

### Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)




### Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

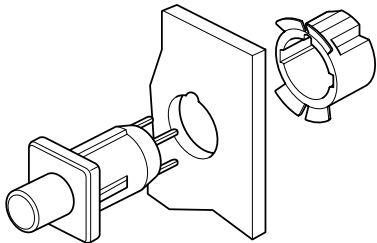
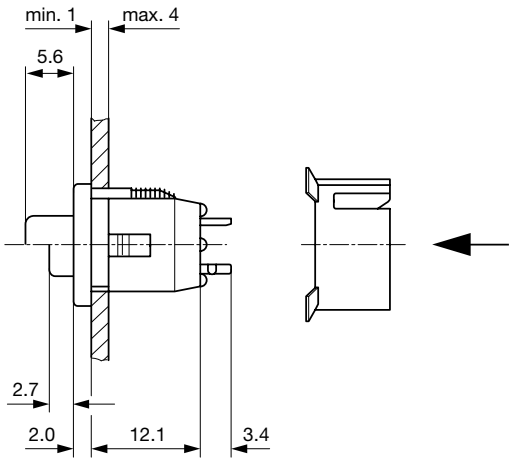
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

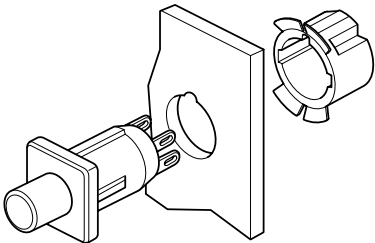
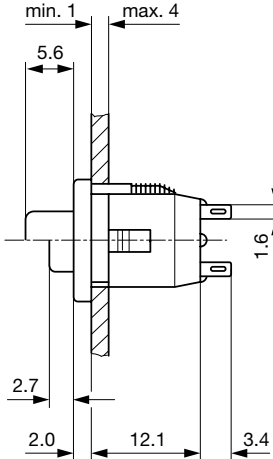
Dimension [mm]

Small button



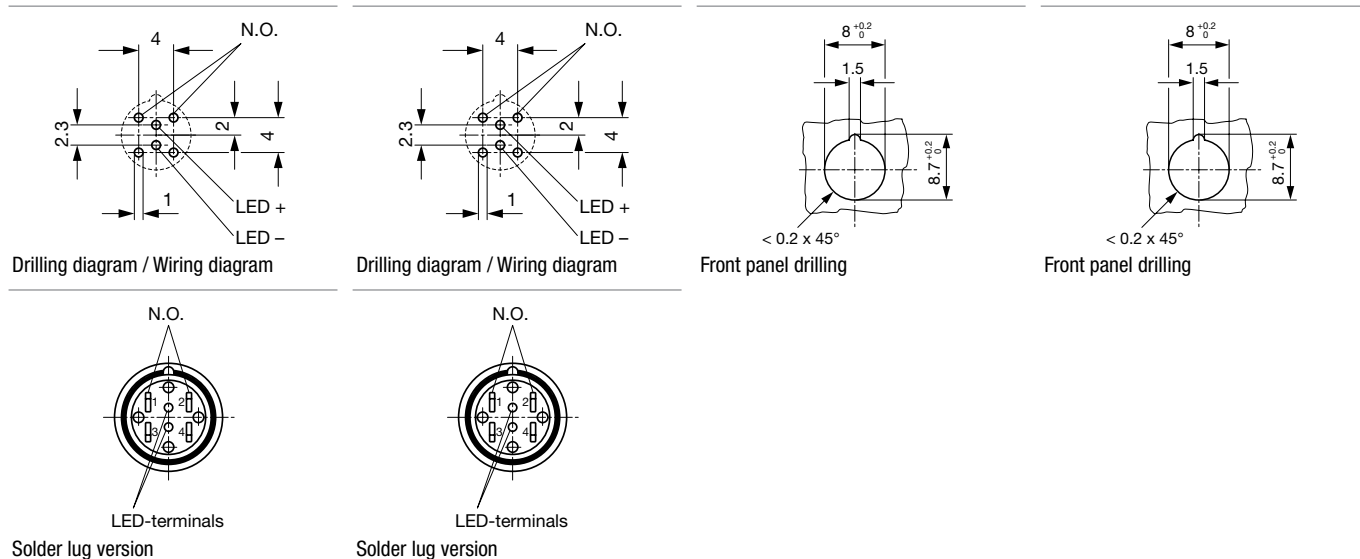
Small button

Small button with solder lugs



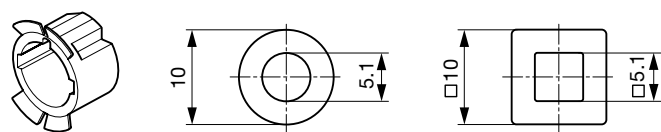
Small button with solder lugs

## Dimension



## Assembly Instructions

Securing clip, round bezel button, square betel button



Necessary for front panel mounting

## Diagrams

NO 1 pole

NO 2 pole



## All Variants

Type	Number of Poles	Terminal	Form	Illumination	Color Button	Color LED	Color Bezel	Securing clip <sup>1)</sup>	Bestellnummer
Momentary Action Switch	1-pole	Solder lugs	round		red	-	black	●	<a href="#">0041.8841.3107</a>
Momentary Action Switch	1-pole	Solder lugs	round		black	-	black	●	<a href="#">0041.8841.7107</a>
Switches	2-pole	Solder lugs	round	●	red	red	black	●	<a href="#">0041.8857.3117</a>
Switches	2-pole	Solder lugs	round	●	green	green	black	●	<a href="#">0041.8857.5127</a>

Type	Number of Poles	Terminal	Form	Illumination	Color Button	Color LED	Color Bezel	Securing clip <sup>1)</sup>	Bestellnummer
Momentary Action Switch	1-pole	Solder, THT	round		red	-	black		0041.9141.3107
Momentary Action Switch	1-pole	Solder, THT	round	●	red	red	black		0041.9146.3117
Momentary Action Switch	1-pole	Solder, THT	round	●	green	green	black		0041.9146.5127
Switches	1-pole	Solder, THT	round	●	red	red	black		0041.9156.3117
Switches	1-pole	Solder, THT	round	●	green	green	black		0041.9156.5127
Securing clip	-	-	-		-	-	-		0850.9242

With the illuminated version, the small button is transparent

<sup>1)</sup>Securing clip is included for solder lug version

 Most Popular.

Availability for all products can be searched real-time:<https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Packaging unit	100 pcs
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