Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

## Contact us

Frontpanel Switch / Momentary Action, Medium Stroke, 10 mm

See below:
**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

## 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 | < 20 mΩ |
| | < 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

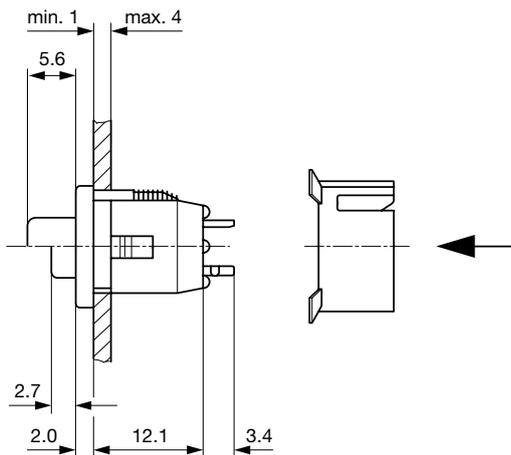| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technologyequipment. |

## Compliances

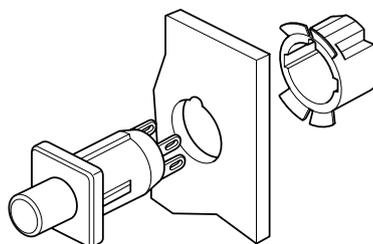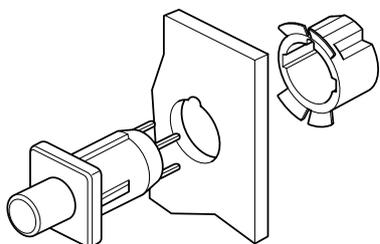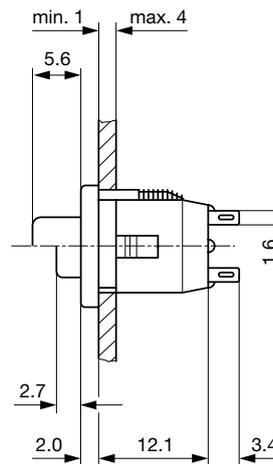The product complies with following Guide Lines

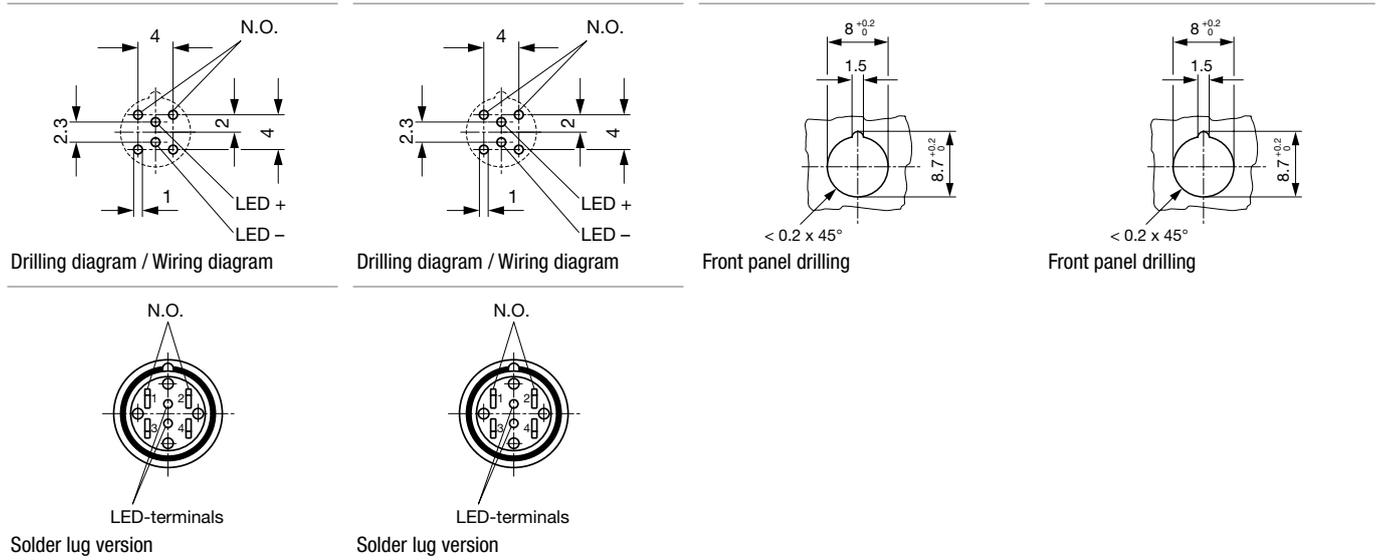| Identification | Details | Initiator | Description |
|---|---|---|---|
| RoHS | RoHS | SCHURTER AG | EU Directive RoHS 2011/65/EU |
| | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
| REACH | REACH | 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

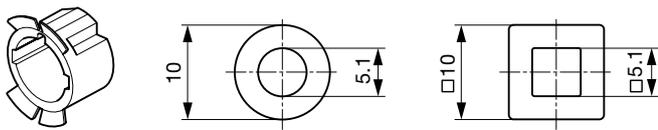Small button with solder lugs





Small button

Small button with solder lugs

## Dimension

Drilling diagram / Wiring diagram

Drilling diagram / Wiring diagram

Front panel drilling

Front panel drilling

Solder lug version

Solder lug version

## 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 [1] | Bestellnummer |
|------|-----------------|----------|------|--------------|--------------|-----------|-------------|-------------------|---------------|
| Momentary Action Switch | 1-pole | Solder lugs | round | | red | - | black | ● | 0041.8841.3107 |
| Momentary Action Switch | 1-pole | Solder lugs | round | | black | - | black | ● | 0041.8841.7107 |
| Switches | 2-pole | Solder lugs | round | ● | red | red | black | ● | 0041.8857.3117 |
| Switches | 2-pole | Solder lugs | round | ● | green | green | black | ● | 0041.8857.5127 |
| Momentary Action Switch | 1-pole | Solder, THT | round | | red | - | black | | 0041.9141.3107 |

| Type | Number of Poles | Terminal | Form | Illumination | Color Button | Color LED | Color Bezel | Securing clip [1] | Bestellnummer | |
|------|-----------------|----------|------|--------------|--------------|-----------|-------------|-------------------|---------------|---|
| 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

[1]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

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**Packaging unit**       100 pcs

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23.03.2018