

Membrane Switch Frontpanel Short Stroke 18 mm



Membrane Switch Frontpanel Short Stroke 18 mm  
square  
White, lettered



Membrane Switch Frontpanel Short Stroke 18 mm  
round  
Red, lettered



Membrane Switch Frontpanel Short Stroke 18 mm  
round  
green

See below:

**Approvals and Compliances**

**Description**

- Momentary action switch available in version square or round in different colours
- High lifetime with 5 million actuations
- Front and rear tested to degree of protection IP65 Snap-in type from front side
- Solder terminals

**Unique Selling Proposition**

- Unique mechanical switches with tactile feedback
- Small mounting depth
- Various lettering options

**Weblinks**

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

**Technical Data**

**Electrical Data**

Impulse Withstand Voltage (ESD)  $\pm 16$  kV

**Contact Material Silver**

Switching Voltage min. 5 VDC, max. 48 VDC

Switching Current max. 125 mA

Rated Switching Capacity 0.72 W

Lifetime > 1 million actuations at Rated Switching Capacity

Contact Resistance < 50 m $\Omega$   
< 150 m $\Omega$  after lifetime

Insulation Resistance > 100 M $\Omega$

Duration of Bounce typ. 0.1 ms

**Contact Material Gold**

Switching Voltage min. 50 mVDC, max. 24 VDC

Switching Current max. 80 mA

Rated Switching Capacity 0.36 W

Lifetime > 1 million actuations at Rated Switching Capacity

Contact Resistance < 50 m $\Omega$   
< 150 m $\Omega$  after lifetime

Insulation Resistance > 100 M $\Omega$

Duration of Bounce typ. 0.1 ms

**Mechanical Data**

Actuating Force  $3 \pm 1$  N

Actuating Travel  $0.5 \pm 0.1$  mm

End Stop Strength > 50 N

Lifetime > 1 million actuations

Mounting screw torque 8 N/cm

**Climatical Data**

Operating Temperature -25 °C to 60 °C

Storage Temperature -25 °C to 60 °C

IP-Protection IP65 (only with accessory kit)

**Other Data**

Contact Material Ag / Au

**Soldering 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**

Housings Thermoplastic (PES)

Socket Thermoplastic (PES)

Bezel Thermoplastic (PBT)

Contact CuZn37 3  $\mu$ m Ni 2  $\mu$ m Au; CuZn37 2.5  $\mu$ m Ag

Soldering Aid Tin-plated

**Approvals and Compliances**

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Application standards

Application standards where the product can be used

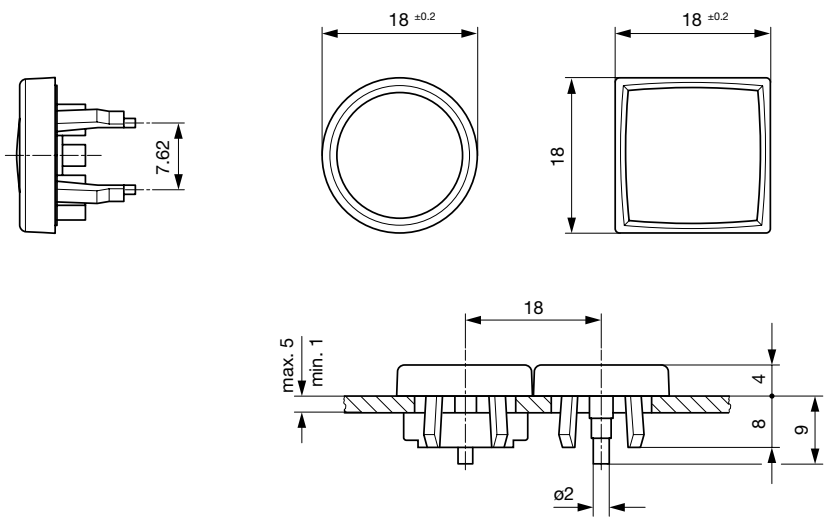
| Organization                                                                     | Design                         | Standard       | Description                                                                                                          |
|----------------------------------------------------------------------------------|--------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------|
|  | Designed for applications acc. | IEC/UL 62368-1 | IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment. |

Compliances

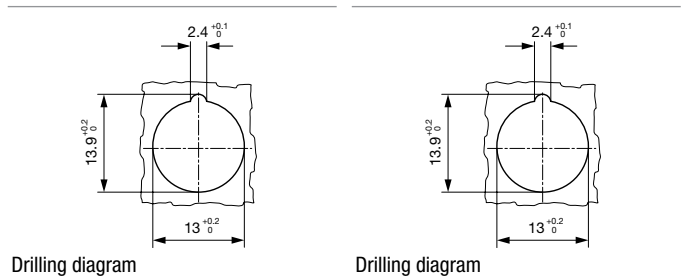
The product complies with following Guide Lines

| Identification                                                                   | Details    | Initiator   | Description                                                                                                                                                             |
|----------------------------------------------------------------------------------|------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | RoHS       | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863                                                                                                                      |
|  | 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. |

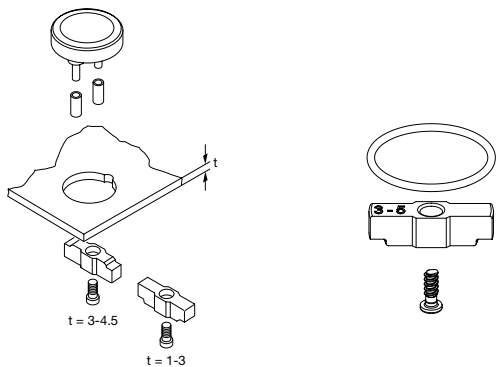
Dimension [mm]



Dimension

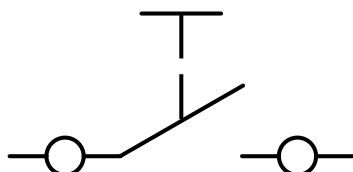


Assembly Instructions



Accessory kit IP65 has to be ordered separately

## Diagrams

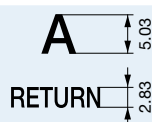


## Order Index Lettering

| Laser Marking |        |             |             |
|---------------|--------|-------------|-------------|
| 001 =A        | 021 =U | 041 =÷      | 061 =EIN    |
| 002 =B        | 022 =V | 042 =*      | 062 =AUS    |
| 003 =C        | 023 =W | 043 ==      | 063 =AUF    |
| 004 =D        | 024 =X | 044 =#      | 064 =AB     |
| 005 =E        | 025 =Y | 045 =↔      | 065 =ON     |
| 006 =F        | 026 =Z | 046 =‡      | 066 =OFF    |
| 007 =G        | 027 =0 | 047 =→      | 067 =UP     |
| 008 =H        | 028 =1 | 048 =←      | 068 =DOWN   |
| 009 =I        | 029 =2 | 049 =↓      | 069 =HIGH   |
| 010 =J        | 030 =3 | 050 =↑      | 070 =LOW    |
| 011 =K        | 031 =4 | 051 =%      | 071 =ON/OFF |
| 012 =L        | 032 =5 | 052 =√      | 072 =START  |
| 013 =M        | 033 =6 | 053 =CTRL   | 073 =RESET  |
| 014 =N        | 034 =7 | 054 =RETURN | 074 =⏻      |
| 015 =O        | 035 =8 | 055 =SHIFT  | 075 =💡      |
| 016 =P        | 036 =9 | 056 =LOCK   | 076 =🔔      |
| 017 =Q        | 037 =+ | 057 =STOP   | 077 =Ⓜ      |
| 018 =R        | 038 =- | 058 =ENTER  |             |
| 019 =S        | 039 =. | 059 =BACK   |             |
| 020 =T        | 040 =x | 060 =LINE   |             |

## Letter heights and Fonts

- Single characters, Univers 65
- Legends max. 6 characters in line, Univers 65
- Insert label and front foil anthracite, RAO 7016
- Characters and symbols light grey, RAL 7035



## All Variants

| Kontakte | Form   | Color Bezel | Color Touchpad | Lettering         | Bestellnummer  |
|----------|--------|-------------|----------------|-------------------|----------------|
| Ag       | square | black       | red            | without Lettering | 1241.1100.7093 |
| Ag       | square | black       | green          | without Lettering | 1241.1100.7095 |
| Ag       | square | black       | black          | without Lettering | 1241.1100.7097 |
| Ag       | round  | black       | yellow         | without Lettering | 1241.1104.7091 |
| Ag       | round  | black       | red            | without Lettering | 1241.1104.7093 |
| Ag       | round  | black       | green          | without Lettering | 1241.1104.7095 |
| Ag       | round  | black       | grey           | without Lettering | 1241.1104.7096 |
| Ag       | round  | black       | black          | without Lettering | 1241.1104.7097 |

| Kontakte           | Form                     | Color Bezel | Color Touchpad | Lettering         | Bestellnummer  |
|--------------------|--------------------------|-------------|----------------|-------------------|----------------|
| Ag                 | round with soldering aid | black       | black          | without Lettering | 1241.1113.7097 |
| Accessory kit IP65 | -                        | -           | -              | -                 | 0098.9201      |

For Lettering versions see tables "Lettering" and "Order Index Lettering" to determine the symbol

 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 |
|----------------|---------|