

Printmount Switch, Medium Stroke, 7.5 mm



See below:

[Approvals and Compliances](#)

### Description

- Available with various actuator colors
- High switching capacity
- Optional retaining bracket

### Unique Selling Proposition

- Different contacting materials for different applications
- High life time thanks to high quality materials
- Suitable for PCB mounting

### Weblinks

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

### Technical Data

#### Electrical Data

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Switching Voltage     | max. 48 VAC/ 48 VDC                              |
| Lifetime              | > 100'000 actuations at Rated Switching Capacity |
| Insulation Resistance | > 1000 MΩ                                        |

#### Contact Material Silver

|                    |                     |
|--------------------|---------------------|
| Switching current  | AC: 2 A / DC: 1.2 A |
| Contact Resistance | < 10 mΩ             |

#### Contact Material Gold

|                    |         |
|--------------------|---------|
| Switching current  | 80 mA   |
| Contact Resistance | < 20 mΩ |

#### Mechanical Data

|                      |                      |
|----------------------|----------------------|
| Actuating Force      | 3 - 5 N              |
| Actuating Travel     | 2.4 ± 0.3 mm         |
| End Actuating Travel | 3.3 ± 0.4 mm         |
| End Stop Strength    | > 100 N              |
| Lifetime             | > 200'000 actuations |

#### Climatical Data

|                       |                |
|-----------------------|----------------|
| Operating Temperature | -40 °C - 85 °C |
| Storage Temperature   | -40 °C - 85 °C |
| IP-Protection         | IP40           |

#### Other Data

|                  |         |
|------------------|---------|
| Contact Material | Ag / Au |
|------------------|---------|

#### Soldering Data

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

#### Material

|         |                              |
|---------|------------------------------|
| Socket  | Thermoplastic (PC)           |
| Button  | Thermoplastic (PC)           |
| Contact | gold (2µm Au on hard silver) |

### 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

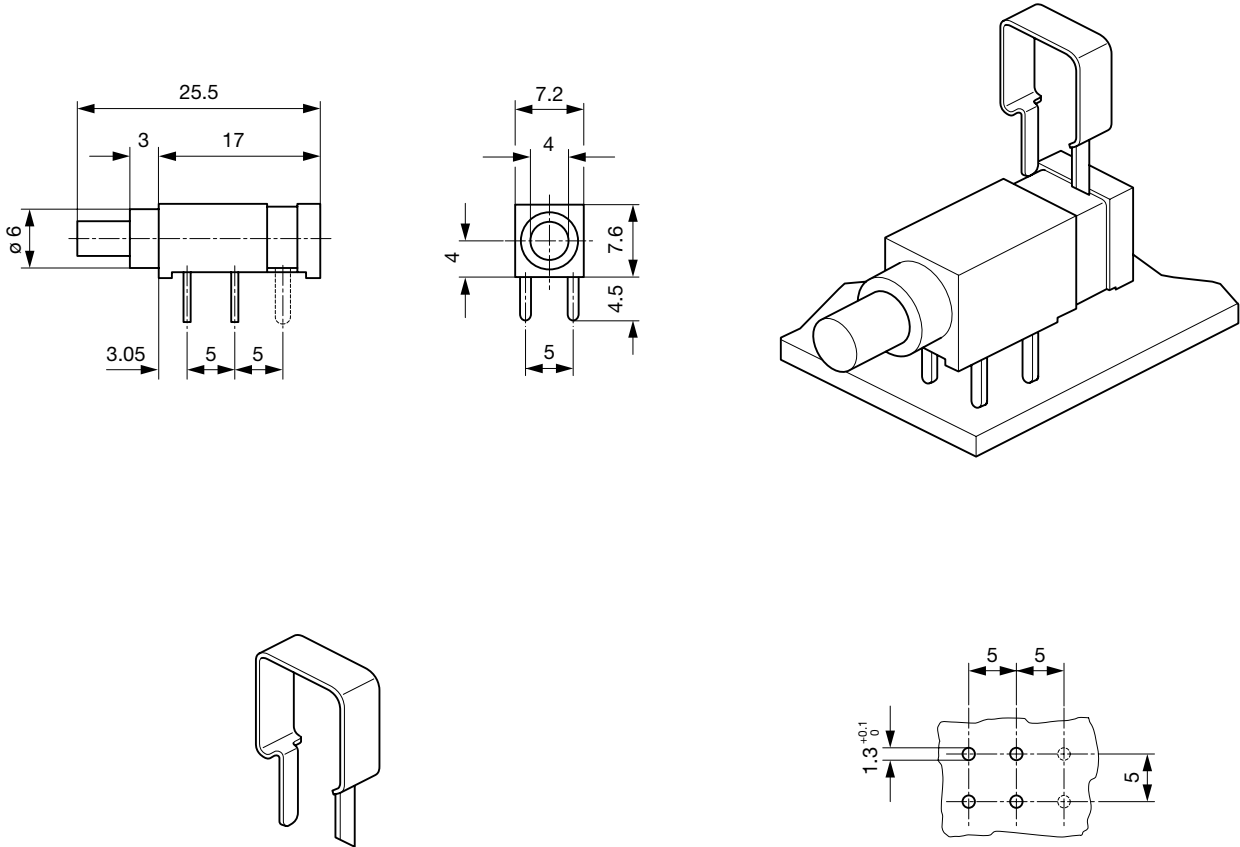
| Organization                                                                        | Design                         | Standard       | Description                                                                                   |
|-------------------------------------------------------------------------------------|--------------------------------|----------------|-----------------------------------------------------------------------------------------------|
|  | Suitable for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part 1: Safety requirements |

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. |

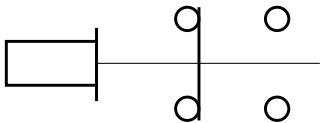
Dimension [mm]



The optional retaining bracket has to be ordered separately

Drilling diagram

Diagrams



## Order number key

|   |   |   |   |    |   |   |   |   |   |    |
|---|---|---|---|----|---|---|---|---|---|----|
| S | D | K | - | AG | - | T | - | 1 | - | GN |
| 1 |   |   | 2 |    | 3 |   | 4 |   | 5 |    |

**Type**  1  
SDK = SDK

**Contact material**  2  
Silver = AG  
Gold = AU

**Soldering type**  3  
THT = T

**Terminal type**  4  
Straight = 1

**Actuator Color**  5  
Black = BK  
Green = GN  
Red = RD  
Blue = BL

## Variants

| Designation           | Kontakte | Color Button | Bestellnummer |
|-----------------------|----------|--------------|---------------|
| SDK SWITCH O+S SW     | Ag       | black        | 0041.0401     |
| SDK SWITCH O+S RT     | Ag       | red          | 0041.0402     |
| SDK SWITCH O+S GN     | Ag       | green        | 0041.0403     |
| SDK SWITCH O+S SW     | Au       | black        | 0041.0411     |
| SDK SWITCH O+S RT     | Au       | red          | 0041.0412     |
| SDK SWITCH O+S GN     | Au       | green        | 0041.0413     |
| RETAINING BRACKET SDK | -        | -            | 0701.0049     |

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>

**Packaging unit** 100 pcs