Momentary Action Switches
https://www.schurter.com/PG09

Print and SMD Switch Short Stroke 11.4 mm

SMS with Gullwing lead, IP40
SMS with adapter and elongated button, J-lead

See below:
Approvals and Compliances

Description
- Switches are possible with different heights
- High-quality gold and silver contacts
- Solder terminals

Unique Selling Proposition
- Reliable tactile feedback on input
- Simple assembly
- Long life time

Technical Data

Electrical Data
Switching Voltage 30 VAC / 42 VDC
Switching Current 50 mA
Rated Switching Capacity 0.12 W
Lifetime > 1 million actuations at Rated Switching Capacity
Contact Resistance < 50 mΩ
< 150 mΩ after lifetime
Insulation Resistance > 100 MΩ
Duration of Bounce typ. 0.15 ms

Mechanical Data
Actuating Force IP40 : 1.8 ± 0.4 N
IP67 : 2.2 ± 0.4 N
Actuating Travel 0.35 ± 0.1 mm
End Stop Strength > 100 N
Lifetime > 1 million actuations

Climatical Data
Operating Temperature -40 °C to 85 °C
Storage Temperature -40 °C to 85 °C
IP-Protection IP40 / IP67

Soldering Data
Soldering Methods Reflow
Solderability 245 °C / 5 sec (IEC 60068-2-58 Test Td)
Resistance to Soldering Heat 260 °C / 10 sec (IEC 60068-2-58 Test Td)

Material
Sealing membrane IP67 VMQ
Contact Material Gold CuZn37 1.5 μm Ni 0.5 μm Au
Terminals CuZn37 SnNi
Socket Thermoplastic (PA 4.6)
Actuator PA4
Cover of Actuator X 12 CrNi 17 7
Elongated Button Thermoplastic (PC)

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

<table>
<thead>
<tr>
<th>Organization</th>
<th>Design</th>
<th>Standard</th>
<th>Description</th>
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<tr>
<td>IEC</td>
<td>Suitable for applications acc.</td>
<td>IEC/UL 62368-1</td>
<td>Audio/Video, information and communication technology equipment - Part 1: Safety requirements</td>
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Compliances
The product complies with following Guide Lines

<table>
<thead>
<tr>
<th>Identification</th>
<th>Details</th>
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<th>Description</th>
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<tr>
<td>RoHS</td>
<td>SCHURTER AG</td>
<td>Directive RoHS 2011/65/EU, Amendment (EU) 2015/863</td>
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<td>China RoHS</td>
<td>SCHURTER AG</td>
<td>The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.</td>
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**Dimension [mm]**

SMS Gullwing Base module

- ø 6.50
- 3.65
- 1.50
- 0.15
- 4.20
- 4.83
- 1.50
- 11.40
- 15.90

SMS Gullwing Variable height

- ø 6.60
- 3.65
- 1.50
- 0.15
- 7.75
- 15.90
- 11.40

SMS J-lead Base module

- ø 6.50
- 3.65
- 1.85
- 0.15
- 4.20
- 4.95
- 1.85
- 11.40
- 11.80

SMS J-lead Variable height

- ø 6.60
- 3.65
- 1.85
- 0.15
- 7.75
- 11.80
- 11.40
Momentary Action Switches
https://www.schurter.com /PG09

PCP Lead

Gullwing Lead

J-Lead

PCP Gullwing Lead J-Lead

SMS Gullwing with elongated button SMS J lead with elonged button

Diagrams

Circuit Diagram SMS/PMS

All Variants

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<tr>
<th>IP Protection Class</th>
<th>Terminal</th>
<th>Type</th>
<th>Overall height / Color</th>
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<tr>
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<td>Elongated button</td>
<td>10.00 mm / red</td>
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<td>Elongated button</td>
<td>11.50 mm / green</td>
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<td>Elongated button</td>
<td>12.25 mm / grey</td>
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<td>Elongated button</td>
<td>13.00 mm / black</td>
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<td>Elongated button</td>
<td>13.75 mm / white</td>
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<tr>
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Most Popular.

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

Additional elongated button for long actuators must be ordered separately.

From 14.50 mm an additional (second) elongated button for intermediate sizes (h + 6 mm) is required. This must be ordered separately.

**Packaging unit**
- .xxxx.11 = (100 pcs.)
- .xx1x.23 = (450 pcs.)
- .xx0x.23 = (700 pcs.)

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.