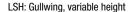
#### Print and SMD Switch 6x6







LPS: Through hole, square



LPV: Through hole, angled

#### See below:

#### **Approvals and Compliances**

### **Description**

- Switches are possible with different heights
- Design 6x6 mm Through hole or SMD mounting
- Solder terminals

### **Unique Selling Proposition**

- Reliable tactile feedback on input
- Simple assembly
- Long life time

#### Weblinks

pdf data sheet, html datasheet, General Product Information, CAD-Drawings, Product News, Detailed request for product

#### **Technical Data**

Electrical Data	
Switching Voltage	12 VDC
Switching current	50 mA
Lifetime	> 10 <sup>5</sup> actuations at Rated Switching Capacity
Contact Resistance	_max. 100 mΩ
	max. 100 m $\Omega$ after lifetime
Duration of Bounce	typ. 0.1 ms
Mechanical Data	
Actuating Force	1.6 ± 0.5 N
Actuating Travel	0.25 + 0.2 / -0.1 mm
End Stop Strength	50 N / 3 s
Lifetime	> 10⁵ actuations

-20°C to 70°C
-30 °C to 85 °C
IP40
Reflow
245 °C / 5 sec (IEC 60068-2-58 Test Td)
260 °C / 10 sec (IEC 60068-2-58 Test Td)
CuZn37 0.7 µm Ag
UL 94V-0
UL 94V-0

### **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
<u>IEC</u>	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

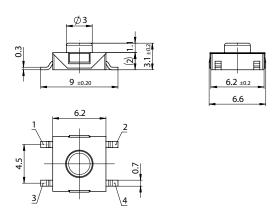
# Compliances

The product complies with following Guide Lines

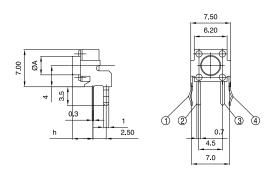
Identification	Details	Initiator	Description
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
<b>©</b>	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

# Dimension [mm]

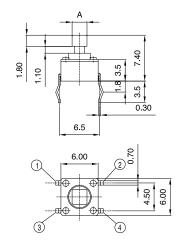
LSG Gullwing basic module



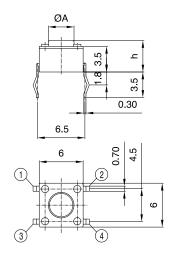
# LPV PCB basic module



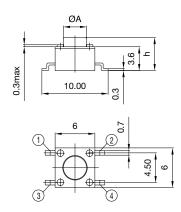
LPS PCB basic module



LPH PCB basic module

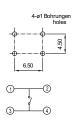


# LSH Gullwing basic module

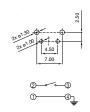


# **Drilling diagrams**

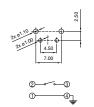
LPH / LPS PCB lead



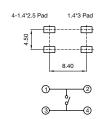
LPV PCB lead: 1301.9501, 1301.9502



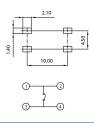
LPV PCB lead: 1301.9503



LSG: Gullwing



LSH Gullwing lead



# Order number key

L S H - H08 - D06	- A -	S - 4 - 5 6	<b>B</b> 7
Туре		Q	1
LSH	=	LSH LSG	
LSG LPH	=	LPH	
LPS	=	LPS	
Switch height			2
3.1 mm	=	H01	
3.85 mm	=	H02	
4.3 mm	=	H04	
5.0 mm 6.15 mm	=	H08 H10	
7.0 mm	=	H11	
7.3 mm	=	H12	
7.4 mm	=	H13	
8.0 mm	=	H17	
9.5 mm 11.35 mm	=	H23 H28	
12.5 mm	=	H33	
		0	
Actuator diameter	_	Q D04	3
2.4 mm 2.8 mm	=	D01 D02	
3.0 mm	=	D02	
3.2 mm	=	D04	
3.3 mm	=	D05	
3.4 mm	=	D06	
3.5 mm	=	D07	
Contact configuration			4
SPST	=	Α	
Soldering type			5
None	=	0	
THT	=	T	
SMD Manual soldering	=	S M	
Wariaar soldering			
Terminal type			7
Standard	=	0	
Straight Solder	=	1 2 3 4	
J-Connector	=	3	
Gullwing	=	4	
Packaging		Q	8
None	=	0 ~	
Blister	=	Α	
Bulk material	=	В	

# **Variants**

Туре	Terminal	Туре	Actuator ∅ A / Overall height	Packaging	Order Number
LPH	Through hole	Height variable	4.30 mm	loose in boxes(2000 pcs.)	1301.9301
LPH	Through hole	Height variable	5.00 mm	loose in boxes(2000 pcs.)	1301.9302
LPH	Through hole	Height variable	7.00 mm	loose in boxes(2000 pcs.)	1301.9303
LPH	Through hole	Height variable	7.30 mm	loose in boxes(2000 pcs.)	1301.9304
LPH	Through hole	Height variable	8.00 mm	loose in boxes(2000 pcs.)	1301.9305
LPH	Through hole	Height variable	9.50 mm	loose in boxes(2000 pcs.)	1301.9306
LPH	Through hole	Height variable	12.50 mm	loose in boxes(2000 pcs.)	1301.9307
LPS	Through hole	square 2.40 mm x 2.40 mm	-	loose in boxes(2000 pcs.)	1301.9308
LPS	Through hole	square 2.80 mm x 2.80 mm	-	loose in boxes(2000 pcs.)	1301.9309
LPV	Through hole	angled	3.85 mm	loose in boxes(1000 pcs.)	1301.9501
LPV	Through hole	angled	11.35 mm	loose in boxes(1000 pcs.)	1301.9502
LPV	Through hole	angled	6.15 mm	loose in boxes(2000 pcs.)	1301.9503
LSG	Gullwing	-	3.10 mm	Blister Tape 33 cm Reel(1500 pcs.)	1301.9324.25
LSH	Gullwing	Height variable	4.30 mm	loose in boxes(2000 pcs.)	1301.9314
LSH	Gullwing	Height variable	4.30 mm	Blister Tape 33 cm Reel(1000 pcs.)	1301.9314.24
LSH	Gullwing	Height variable	5.00 mm	loose in boxes(2000 pcs.)	1301.9315
LSH	Gullwing	Height variable	5.00 mm	Blister Tape 33 cm Reel(1000 pcs.)	1301.9315.24
LSH	Gullwing	Height variable	7.00 mm	loose in boxes(2000 pcs.)	1301.9316
LSH	Gullwing	Height variable	7.00 mm	Blister Tape 33 cm Reel(750 pcs.)	1301.9316.24
LSH	Gullwing	Height variable	7.30 mm	loose in boxes(2000 pcs.)	1301.9317
LSH	Gullwing	Height variable	7.30 mm	Blister Tape 33 cm Reel(750 pcs.)	1301.9317.24
LSH	Gullwing	Height variable	8.00 mm	loose in boxes(2000 pcs.)	1301.9318
LSH	Gullwing	Height variable	8.00 mm	Blister Tape 33 cm Reel(500 pcs.)	1301.9318.24
LSH	Gullwing	Height variable	9.50 mm	loose in boxes(2000 pcs.)	1301.9319
LSH	Gullwing	Height variable	9.50 mm	Blister Tape 33 cm Reel(400 pcs.)	1301.9319.24
LSH	Gullwing	Height variable	12.50 mm	loose in boxes(2000 pcs.)	1301.9320
LSH	Gullwing	Height variable	12.50 mm	Blister Tape 33 cm Reel(250 pcs.)	1301.9320.24

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

**Switches**