



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!



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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

Weblinks

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

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	< 50mΩ < 150 mΩ after lifetime
Insulation Resistance	> 100 MΩ
Duration of Bounce	typ. 0.15 ms

Mechanical Data

Actuating Force	IP 40: 1.8 ± 0.4 N IP 67: 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	IP 40 and IP 67

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 IP 67	VMQ
Contact Material Gold	CuZn37 1.5 μm Ni 0.5 μm Au
Terminals	CuZn37 8 μm SnPb
Socket	Thermoplastic (PA 4.6)
Actuator	Thermoplastic (PPS)
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](#)




Application standards

Application standards where the product can be used

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

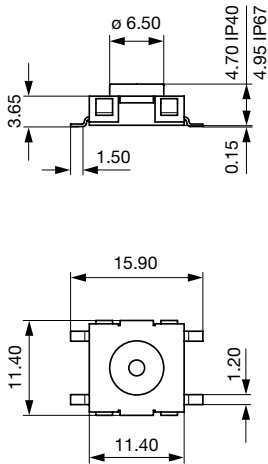
Compliances

The product complies with following Guide Lines

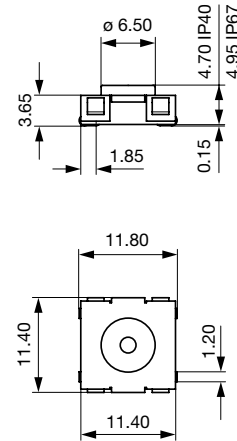
Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the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

Dimension [mm]

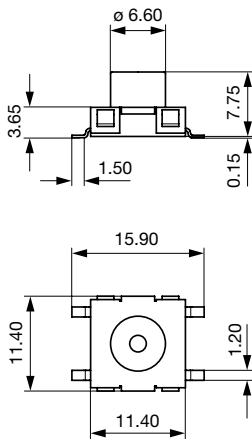
SMS Gullwing Base module



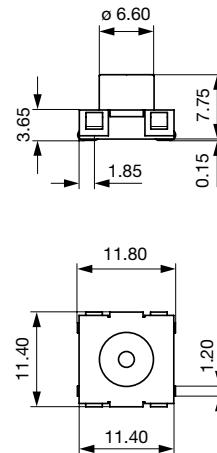
SMS J-lead Base module



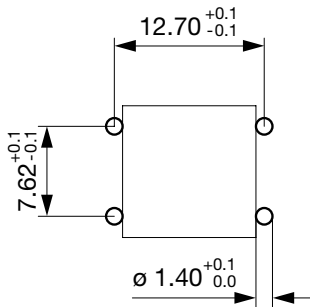
SMS Gullwing Variable height



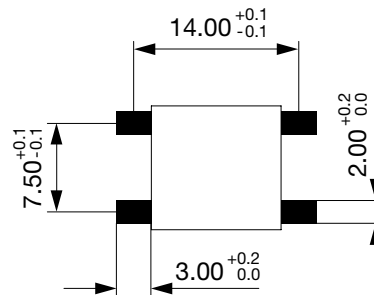
SMS J-lead Variable height



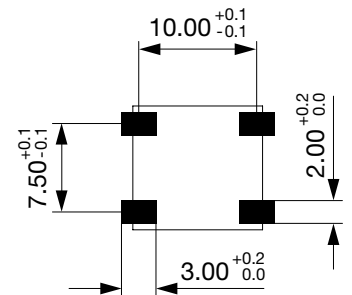
PCP Lead



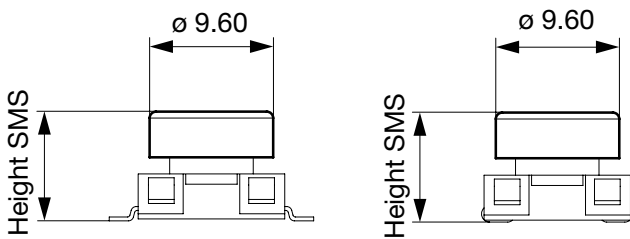
Gullwing Lead



J-Lead

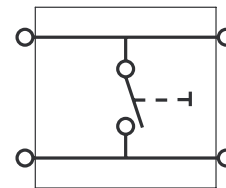
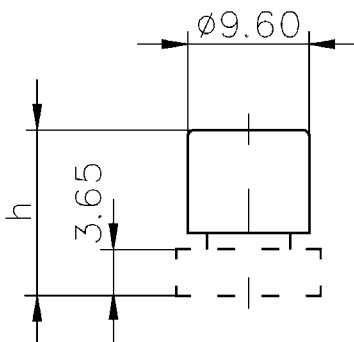


SMS Gullwing with elongated button SMS J lead with elongated button



Diagrams

Circuit Diagram SMS/PMS



All Variants

IP Protection Class Front Side	Terminal	Type	Overall height / Color	Order Number
IP 40	Gullwing	Short actuator	-	1241.1600.11
IP 40	Gullwing	Short actuator	-	1241.1600.23
IP 40	Gullwing	Long actuator	-	1241.1612.11
IP 40	Gullwing	Long actuator	-	1241.1612.23
IP 40	J-Lead	Short actuator	-	1241.1601.11
IP 40	J-Lead	Short actuator	-	1241.1601.23

IP Protection Class Front Side	Terminal	Type	Overall height / Color	Order Number
IP 40	J-Lead	Long actuator	-	1241.1613.11
IP 40	J-Lead	Long actuator	-	1241.1613.23
IP 67	Gullwing	Short actuator	-	1241.1606.11
IP 67	Gullwing	Short actuator	-	1241.1606.23
IP 67	Gullwing	Long actuator	-	1241.1618.11
IP 67	Gullwing	Long actuator	-	1241.1618.23
IP 67	J-Lead	Short actuator	-	1241.1607.11
IP 67	J-Lead	Short actuator	-	1241.1607.23
IP 67	J-Lead	Long actuator	-	1241.1619.11
IP 67	J-Lead	Long actuator	-	1241.1619.23
-	-	Elongated button	8.50 mm / yellow	0862.8101
-	-	Elongated button	9.25 mm / orange	0862.8102
-	-	Elongated button	10.00 mm / red	0862.8103
-	-	Elongated button	10.75 mm / blue	0862.8104
-	-	Elongated button	11.50 mm / green	0862.8105
-	-	Elongated button	12.25 mm / grey	0862.8106
-	-	Elongated button	13.00 mm / black	0862.8107
-	-	Elongated button	13.75 mm / white	0862.8108
-	-	Second elongated button	-	0862.8226

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	
.xx = .11	loose in boxes (100 pcs.)
.xx = .23	Blister Tape 33 cm Reel for short actuator (700 pcs.)
.xx = .23	Blister Tape 33 cm Reel for long actuator (450 pcs.)