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	< 50 mΩ
	< 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
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technologyequipment.

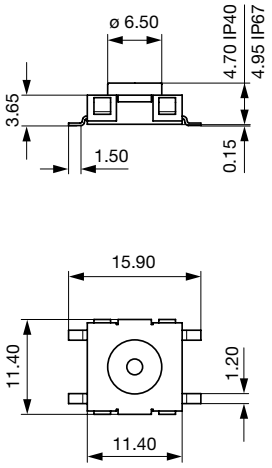
Compliances

The product complies with following Guide Lines

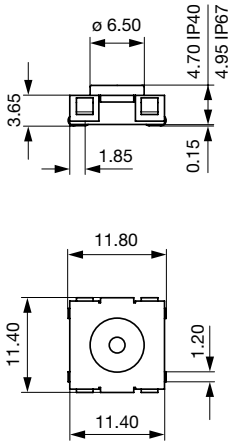
Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the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

Dimension [mm]

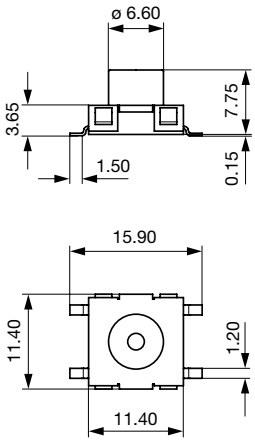
SMS Gullwing Base module



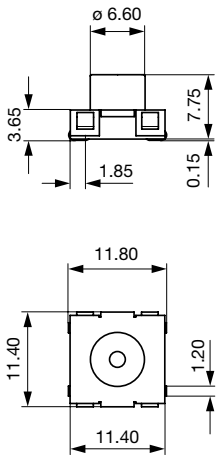
SMS J-lead Base module



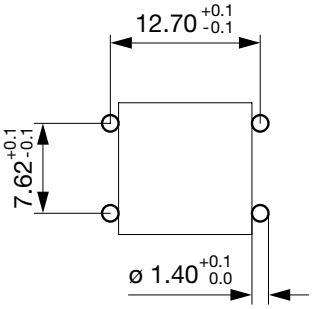
SMS Gullwing Variable height



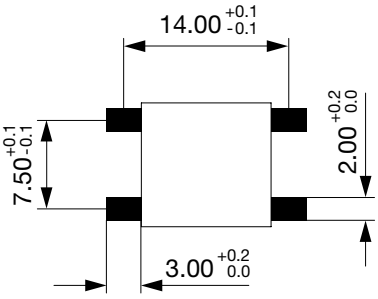
SMS J-lead Variable height



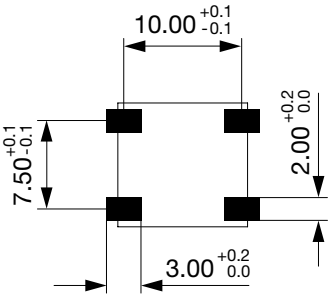
PCP Lead



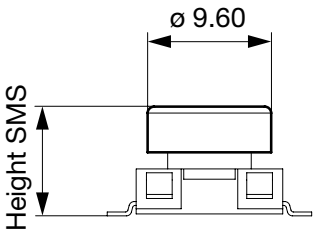
Gullwing Lead



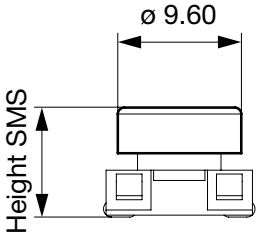
J-Lead



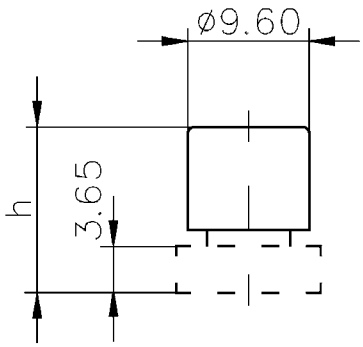
SMS Gullwing with elongated button



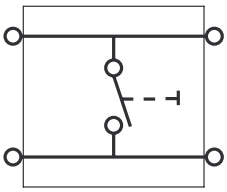
SMS J lead with elonged button



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.)

23.03.2018

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.