Push button for PCB mounting



PMS IP67



PMS Variable height, IP40

See below:
Approvals and Compliances

Description

- Switches are possible with different heights
- High-quality gold 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	Wave
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.

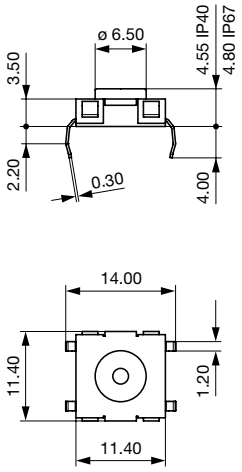
Compliances

The product complies with following Guide Lines

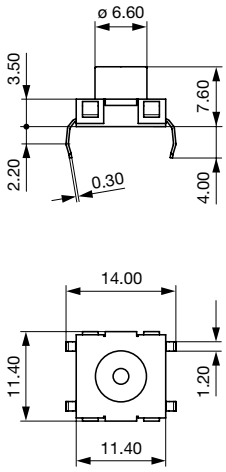
Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the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

Dimension [mm]

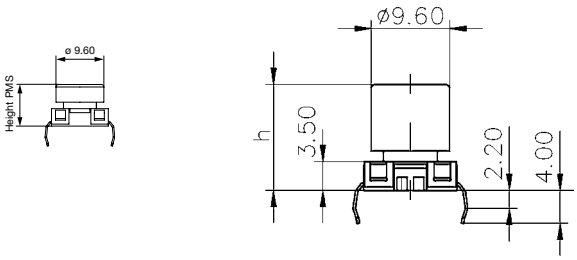
PMS PCB Base module



PMS PCB Variable height

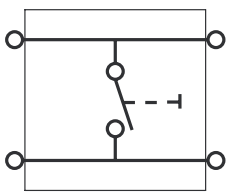


PMS PCB with elogated button



Diagrams

Circuit Diagram SMS/PMS



All Variants

IP Protection Class Front Side	Terminal	Type	Overall height / Color	Order Number
IP 40	-	Short actuator	-	1241.1602
IP 67	-	Short actuator	-	1241.1608
IP 40	-	Long actuator	-	1241.1614
IP 67	-	Long actuator	-	1241.1620
IP 40	-	Height variable	8.35 mm / yellow	1241.1624.1
IP 40	-	Height variable	14.35 mm / yellow + black	1241.1624.11
IP 40	-	Height variable	9.10 mm / orange	1241.1624.2
IP 40	-	Height variable	15.10 mm / orange + black	1241.1624.21
IP 40	-	Height variable	9.85 mm / red	1241.1624.3
IP 40	-	Height variable	15.85 mm / red + black	1241.1624.31
IP 40	-	Height variable	10.60 mm / blue	1241.1624.4
IP 40	-	Height variable	16.60 mm / blue + black	1241.1624.41
IP 40	-	Height variable	11.35 mm / green	1241.1624.5
IP 40	-	Height variable	17.35 mm / green + black	1241.1624.51
IP 40	-	Height variable	12.10 mm / grey	1241.1624.6
IP 40	-	Height variable	18.10 mm / grey + black	1241.1624.61
IP 40	-	Height variable	12.85 mm / black	1241.1624.7
IP 40	-	Height variable	18.85 mm / black + black	1241.1624.71
IP 40	-	Height variable	13.60 mm / white	1241.1624.8
IP 40	-	Height variable	19.60 mm / white + black	1241.1624.81
IP 67	-	Height variable	8.35 mm / yellow	1241.1625.1
IP 67	-	Height variable	14.35 mm / yellow + black	1241.1625.11
IP 67	-	Height variable	9.10 mm / orange	1241.1625.2
IP 67	-	Height variable	15.10 mm / orange + black	1241.1625.21
IP 67	-	Height variable	9.85 mm / red	1241.1625.3
IP 67	-	Height variable	15.85 mm / red + black	1241.1625.31
IP 67	-	Height variable	10.60 mm / blue	1241.1625.4
IP 67	-	Height variable	16.60 mm / blue + black	1241.1625.41
IP 67	-	Height variable	11.35 mm / green	1241.1625.5
IP 67	-	Height variable	17.35 mm / green + black	1241.1625.51
IP 67	-	Height variable	12.10 mm / grey	1241.1625.6
IP 67	-	Height variable	18.10 mm / grey + black	1241.1625.61
IP 67	-	Height variable	12.85 mm / black	1241.1625.7
IP 67	-	Height variable	18.85 mm / black + black	1241.1625.71
IP 67	-	Height variable	13.60 mm / white	1241.1625.8
IP 67	-	Height variable	19.60 mm / white + black	1241.1625.81

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

Starting with 14:50 mm the heights are realized with an additional (second) elongated button in black color

Packaging unit loose in boxes (100 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.