Printmount Switch Short Stroke 12.7 mm



Printmount Switches

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

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

Technical Data

Electrical Data			
Contact Material Silver			
Switching Voltage	max. 48 VDC		
Switching current	max. 125 mA		
Rated Switching Capacity	2.4 W		
Lifetime	> 1 million actuations at Rated Swit-		
Contact Resistance	ching Capacity < 50 mΩ		
	$<$ 50 m Ω after lifetime		
Insulation Resistance	> 100 MΩ		
Duration of Bounce	typ. 0.1 ms		
Contact Material Gold			
Switching Voltage	max. 24 VDC		
Switching current	max. 50 mA		
Rated Switching Capacity	0.48 W		
Lifetime	> 1 million actuations at Rated Swit- ching Capacity		
Contact Resistance	$<$ 50 m Ω		
	< 50 mΩ after lifetime		
Insulation Resistance	> 100 MΩ		
Duration of Bounce	typ. 0.1 ms		

Mechanical Data			
Actuating Force	$2.5 \pm 0.5 \text{N}$		
Actuating Travel	$0.45 \pm 0.1 \text{ mm}$		
End Stop Strength	> 50 N		
Lifetime	> 1 million actuations		
Climatical Data			
Operating Temperature	-25°C to 85°C		
Storage Temperature	-25 °C to 85 °C		
IP-Protection	IP40		
Other Data			
Contact Material	Ag / Au		
Soldering Data			
Solderability	235 °C / 2 sec (IEC 60068-2-20 Test Ta Method 1)		
Resistance to Soldering Heat	260°C / 5 sec (IEC 60068-2-20 Test Tb Method 1A)		
Material	·		
Sealing membrane IP67	VMQ		
Contact Material Gold	CuZn37 3µm Ni 2 µm Au		
Contact Material Silver	CuZn37 2,5 µm Au passivated		
Socket	Thermoplastic (PA 66)		
Actuator	Thermoplastic (PC)		
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

Organization
Design
Standard
Description

LEC/UL 62368-1
LEC/UL 62

Compliances

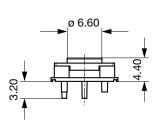
The product complies with following Guide Lines

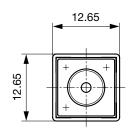
Identification	Details	Initiator	Description
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
50	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007,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

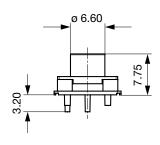
Dimension [mm]

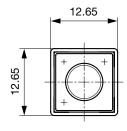
Short actuator

Long actuator

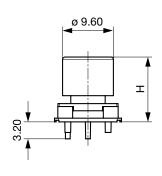


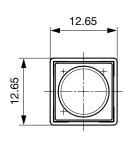


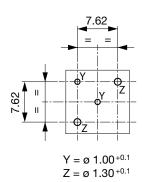




Height variable actuator

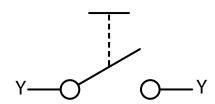






Drilling diagram

Diagrams



Order number key

M T G - H25 - D11	- AG - T	- 1 - 0	1
			J
1 2 3	4 5	6 7	
Туре		3 1	
MTG	=	MTG	
Switch height		2	
4.0 mm	=	H03	
4.4 mm	=	H05	
5.9 mm	=	H09	
7.75 mm 7.8 mm	=	H15 H16	
8.5 mm	=	H19	
9.25 mm	=	H21	
9.4 mm	=	H22	
10.0 mm	=	H25	
10.75 mm	=	H27	
11.5 mm	=	H29	
12.25 mm	=	H31	
13.0 mm	=	H35	
13.75 mm	=	H37	
13.85 mm	=	H38	
14.5 mm 15.25 mm	=	H40 H42	
15.5 mm	=	П 4 2 Н43	
16.0 mm	=	H45	
16.75 mm	=	H47	
17.5 mm	=	H49	
18.25 mm	=	H51	
19.0 mm	=	H53	
19.5 mm	=	H54	
19.75 mm	=	H56	
Actuator diameter		3	
6.0 mm	=	D08	
6.6 mm	=	D10	
9.6 mm	=	D11	
12.5 mm	=	D12	
12.6 mm	=	D13	
Contact material		4	
Silver	=	AG	
Gold	=	AU	
Soldering type		Q 5	
THT	=	T	
1111	_		
Rated current		% 6	
50 mA	=	1	
125 mA	=	3	
Customer specific type		% 7	
Standard	=	0	
Customized	=	С	

Variants

Kontakte	Туре	Overall height / Color	Overall height 1)/ Color	Bestellnummer
Au	Long actuator	-	-	1241.1022
Au	Height variable	10.75 mm / blue	-	1241.1032.4
Ag	Short actuator	-	-	1241.1052
Ag	Long actuator	-	-	1241.1072
Ag	Height variable	8.50 mm / yellow	-	1241.1082.1
Ag	Height variable	-	14.50 mm / yellow + black	1241.1082.11
Ag	Height variable	9.25 mm / orange	-	1241.1082.2
Ag	Height variable	10.00 mm / red	-	1241.1082.3
Ag	Height variable	10.75 mm / blue	-	1241.1082.4
Ag	Height variable	-	16.75 mm / blue + black	1241.1082.41
Ag	Height variable	11.50 mm / green	-	1241.1082.5
Ag	Height variable	13.75 mm / white	-	1241.1082.8

¹⁾ Starting with 14.50 mm the heights are achieved with an additional (second) cap of black color

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

		unit

100 pcs

Switches

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schurter:

<u>1241.1032.7 1241.1032.8 1241.1032.1 1241.1032.2 1241.1032.3 1241.1032.4 1241.1032.5 1241.1032.6 1241.1032.7 1241.1032.8 1241.1051 1241.1052 1241.1072 1241.1082.1 1241.1082.2 1241.1082.3 1241.1082.4 1241.1082.5 1241.1082.6 1241.1082.7 1241.1082.71 1241.1082.8 1241.1082.21 1241.1082.61 1241.1082.81</u>