

Piezo Keypad



12 key piezo keypad



16 key piezo keypad

See below:

[Approvals and Compliances](#)

Description

- Piezo keyboard available in version Standard, with Point Illumination, Lettering, varnished in different colours Mounting into the housing from the front or the rear
- Pins

Characteristics

- Housing material type: Plastics / front aluminium, version with stainless steel front on request
- With sealing kit as accessory for protection class IP68
- High reliability, long lifetime with more than 20 mill. actuations Easy to clean due to a tightly closed surface (IP 69K)
- Optional point illumination
- vandal proof protection (IK 05 impact resistance rating)

References

Last order date: 31.03.2018
 Last delivery date: 30.06.2018

Weblinks

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

Technical Data

Electrical Data

| | |
|------------------------|-------------|
| Switching Voltage | max. 50 VDC |
| Switching Current | max. 200 mA |
| Contact Resistance ON | < 7.5 Ω |
| Contact Resistance OFF | > 5 MΩ |
| Dielectric Strength | 2500V |
| Duration of Bounce | < 1 ms |
| Electrical Rating | 600 mW |

Mechanical Data

| | |
|------------------|---------------------------------------|
| Actuating Force | 1 - 3 N |
| Lifetime | > 20 million actuations |
| Shock Protection | IK 05 Aluminum, IK 04 Stainless Steel |

Climatical Data

| | |
|-----------------------|---------------|
| Operating Temperature | -25 to +85 °C |
| Storage Temperature | -40 to +85 °C |
| IP-Protection | IP 69K |

Material

| | |
|------------------|---------------------------------|
| Front Panel | Alu. anodised / Stainless Steel |
| Assembling Plate | Ultradur |
| Insulating Disc | FR4 |
| PCB | FR4 |
| Piezo Disc | PZT |

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. |

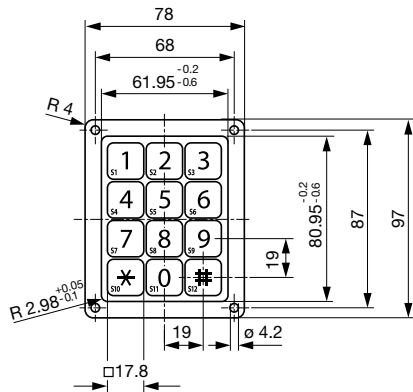
Compliances

The product complies with following Guide Lines

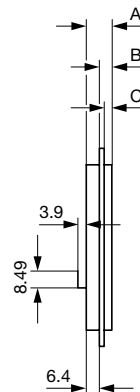
| Identification | Details | Initiator | Description |
|--|---------|-------------|---|
|  | RoHS | SCHURTER AG | EU Directive RoHS 2011/65/EU |
|  | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

Dimension [mm]

12 key piezo keypad



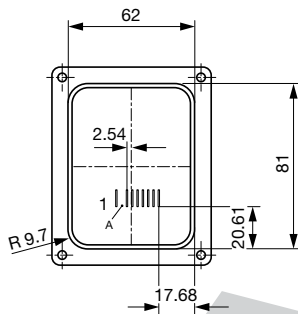
12 key piezo keypad



| Partnumber | Material | Measures [mm] | | |
|--------------------|-----------------|---------------|------|------|
| | | A | B | C |
| 1068.1012.1110001 | Alu | 11,33 | 4,93 | 3,13 |
| 1068.1012.2110001* | Stainless steel | 11,23 | 4,83 | 3,03 |

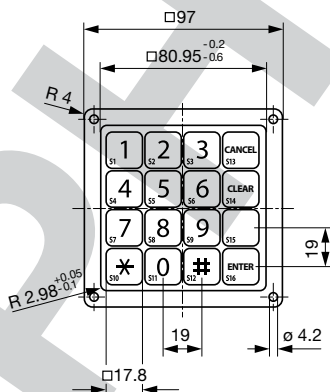
*) The version with stainless steel frontplate is available on request.

12 key piezo keypad

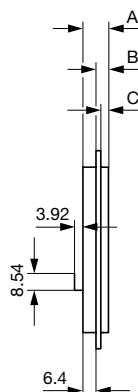


A = Pin 2 is removed and not contacted

16 key piezo keypad



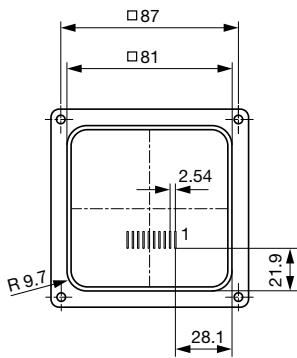
16 key piezo keypad



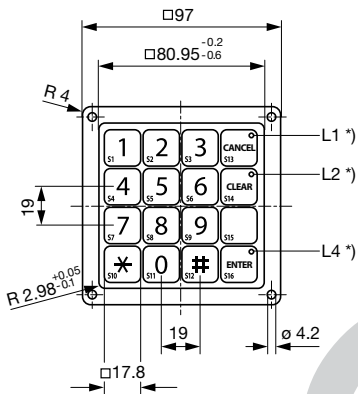
| Partnumber | Material | Measures [mm] | | |
|--------------------|-----------------|---------------|------|------|
| | | A | B | C |
| 1068.1016.1110001 | Alu | 11,33 | 4,93 | 3,13 |
| 1068.1016.2110001* | Stainless steel | 11,23 | 4,83 | 3,03 |

*) The version with stainless steel frontplate is available on request.

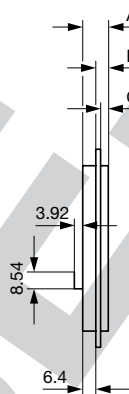
16 key piezo keypad



16 key piezo keypad with LED



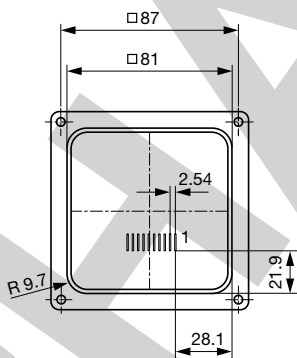
16 key piezo keypad with LED



| Partnumber | Material | Measures [mm] | | |
|------------|----------|---------------|------|------|
| | | A | B | C |
| 1068.1013 | Alu | 11,33 | 4,93 | 3,13 |

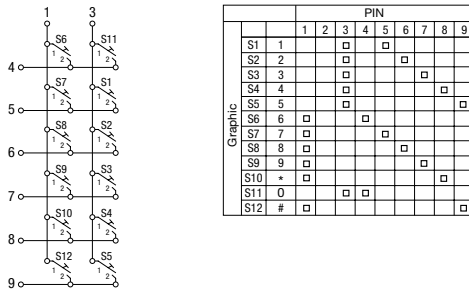
*) The point illumination is customized available on request.

16 key piezo keypad with LED

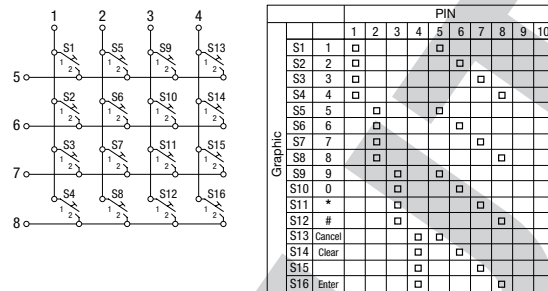


Diagrams

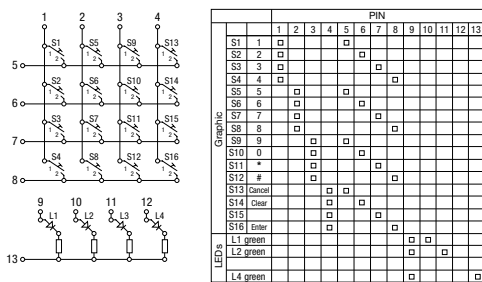
12 key piezo keypad



16 key piezo keypad



16 key piezo keypad with LED



Pin 9 LED Supply common GND + 5 VDC

All Variants

| Version | Keypads | Order Number |
|---------------------|--|-------------------|
| 12 key piezo keypad | front aluminum, multi pin connector, standard lettering | 1068.1012.1110001 |
| 12 key piezo keypad | front stainless steel, multi pin connector, standard lettering | 1068.1012.2110001 |
| 16 key piezo keypad | front aluminum, multi pin connector, standard lettering | 1068.1016.1110001 |

Customer-specific versions of lettering on request.

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

Packaging unit 6 Reusable Packaging keypad with protective foil

Accessories

Description



Sealing Kit for Key Pad
 Accessory Kit