Barantech
CUSTOMIZED HMI SOLUTIONS

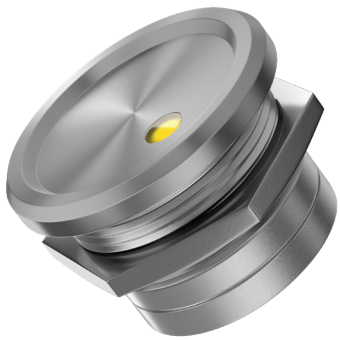
SML22

Point Illuminated Piezo Switch - Recessed

SML22 is a Point-illuminated touch metal piezo switch, developed by Barantech. The product has no moving parts to provide maximum duration of use. Additionally, this switch is fully customizable and protected from dust and water in accordance with IP69K. SML22 is ideal for intensive outdoor use in the chemical, oil and gas industries, as well as in a wide range of other applications.

Key Characteristics

- Proven Reliability: Tested for 50,000,000 cycles
- Weatherproof: Used in harshest outdoor conditions
- Touch Activated: Operable with gloves, tools, etc.
- Vandal Resistant: For use in high traffic and abusive areas
- Low power required for switch operation
- 22mm mounting diameter with PG-16 thread
- 28mm recessed actuation area
- Point illuminated with single-color or bi-color LEDs
- Available in 5V, 12V, or 24V configurations
- Metal housings are milled, one piece construction and mounted with a nut.
- Aluminum housing anodization options:
  Silver, Red, Black, Green, or Blue anodized finishes
- CE - Barantech products comply with Directives 2006/95/EEC for low voltage components.
- Two year warranty (with extension period option)



Electrical Data

Switch Function	N.O. Momentary
Switch Voltage	0-24 DC
Switch Current	0.2A std (0.5A option)
Rated Breaking Capacity	1W
Operating Cycles	>50,000,000
Switch Resistance OFF	> 5 MΩ
Switch Resistance ON	< 20 Ω
Pulse Duration	125-300mS
Contact Configuration	Free polarity

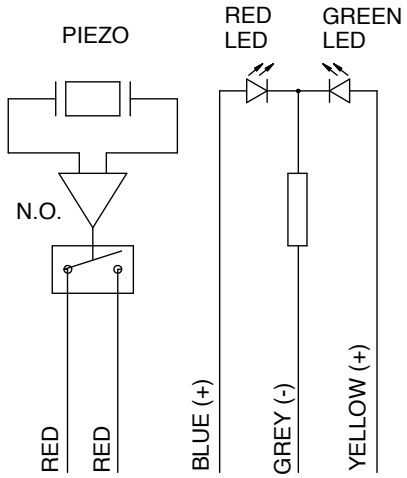
Mechanical Data

Housing Materials	Aluminum 6061 T561
Actuating Force	3-5 Newton
LED Diameter	3mm polycarbonate
Connection	4 wires (12" 24AWG std)

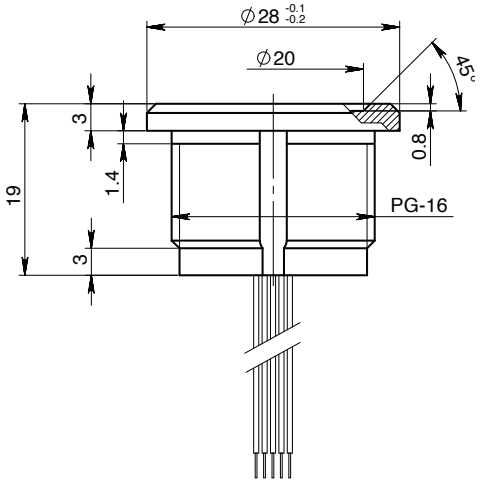
Environmental Data

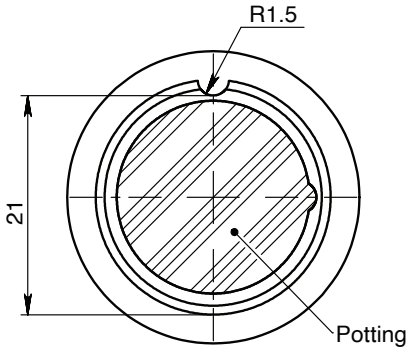
Operating Temperature	-20 to +75 °C
Storage Temperature	-40 to +125 °C
IP Protection	IP69K

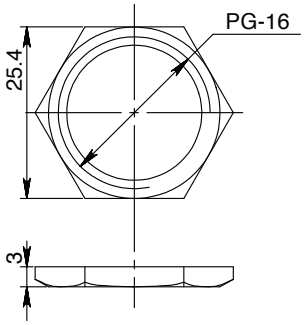
Electrical Diagram

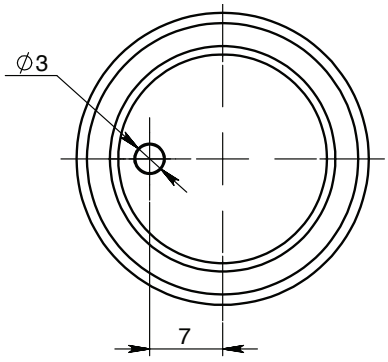


Mechanical Drawing









*The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Users should evaluate the suitability and test each product selected for their own applications.

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