SML1

## 22.5 mm, flat

SML1 is a touch metal piezo switch with an illuminated dot. The product is suitable for use in the harshest conditions, thanks to its waterproof and shock-resistant housing and absence of mechanical moving elements. This hyper-ruggedized IP68 K / IP69 K switch can serve in Aviation, Defence, Marine & Luxury Yachts and other spheres. SML1 is also a fully customizable product.

Key Characteristics:

- 12 V or 24V LEDs standard (3.3 V and 5 V available)
- Red, green, amber, blue, white or bi-color red/green LEDs
- Aviation Grade Aluminum or Stainless Steel 303 standard (304, 316 optional)
- Anodized Aluminum in silver, black, red, green, blue or gold finishes
- 30 cm cable standard (longer length, connectors, pins or terminal block optional)
- 0.2 A, 24 V standard (1 A, 24 V available)

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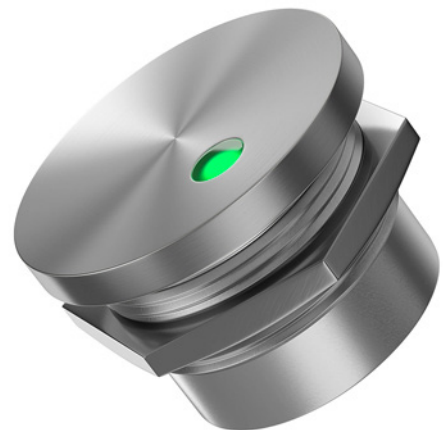
Electrical Data

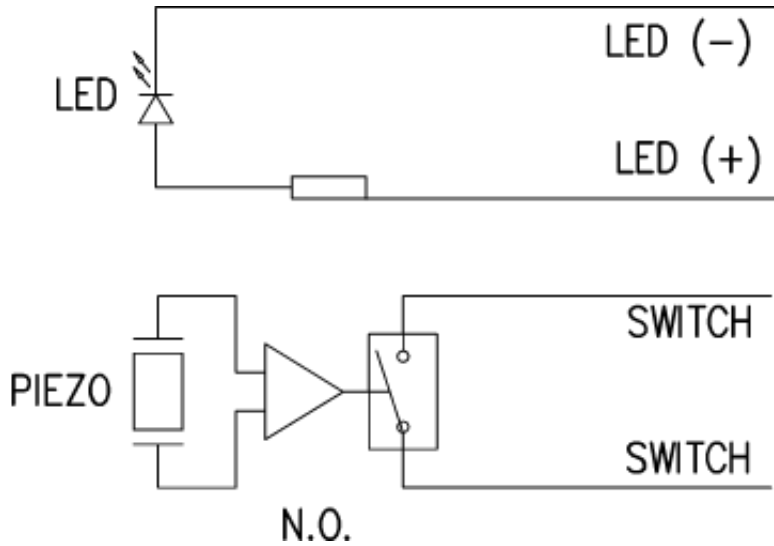|	
Switch Function	N.O. Momentary (N.C. optional) Prolonged, Haptic, Toggle (On/Off), Continuous as well as Programmable, Timer, Slide, Self Diagnostic, and WiFi Enabled optional
Switch Voltage	0-24 AC/DC
Switch Current	0.2 A standard (up to 1 Amp optional)
Rated Breaking Capacity	Power Dissipation < 5 Watt
Operating Cycles	> 50,000,000
Switch Resistance OFF	> 20M Ohm
Switch Resistance ON	< 5 Ohm
Switch Capacitance	10 pF
Switch On Duration	Up to 20 sec
Contact Configuration	Free Polarity

Mechanical Data

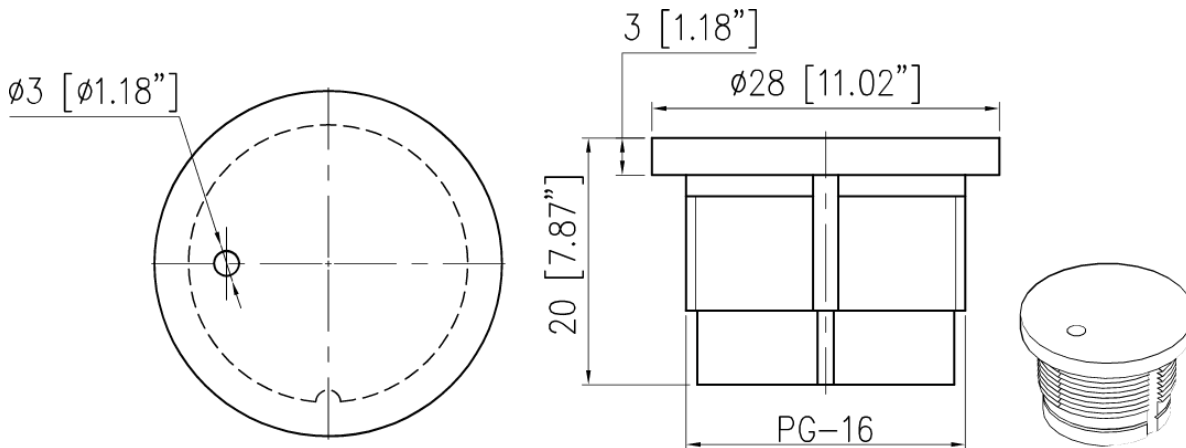|	
Housing Materials	Aluminum 6061 T651, Stainless Steel (Type 303, 304 or 316) or Plastic
Actuating Force	2-5 Newtons
Non-Illuminated	Polycarbonate
Connection	22 AWG standard, (pin, tab or terminal blocks optional)
Shock Protection	IK 10
Fastening Torque	2.5 Nm

Environmental Data

Operating Temperature	-20°C to +75°C
Storage Temperature	-40°C to +125°C
IP Protection	IP69 K

Electrical Diagram

LED (−)

LED (+)

LED

PIEZO

SWITCH

SWITCH

N.O.

Technical Drawing

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