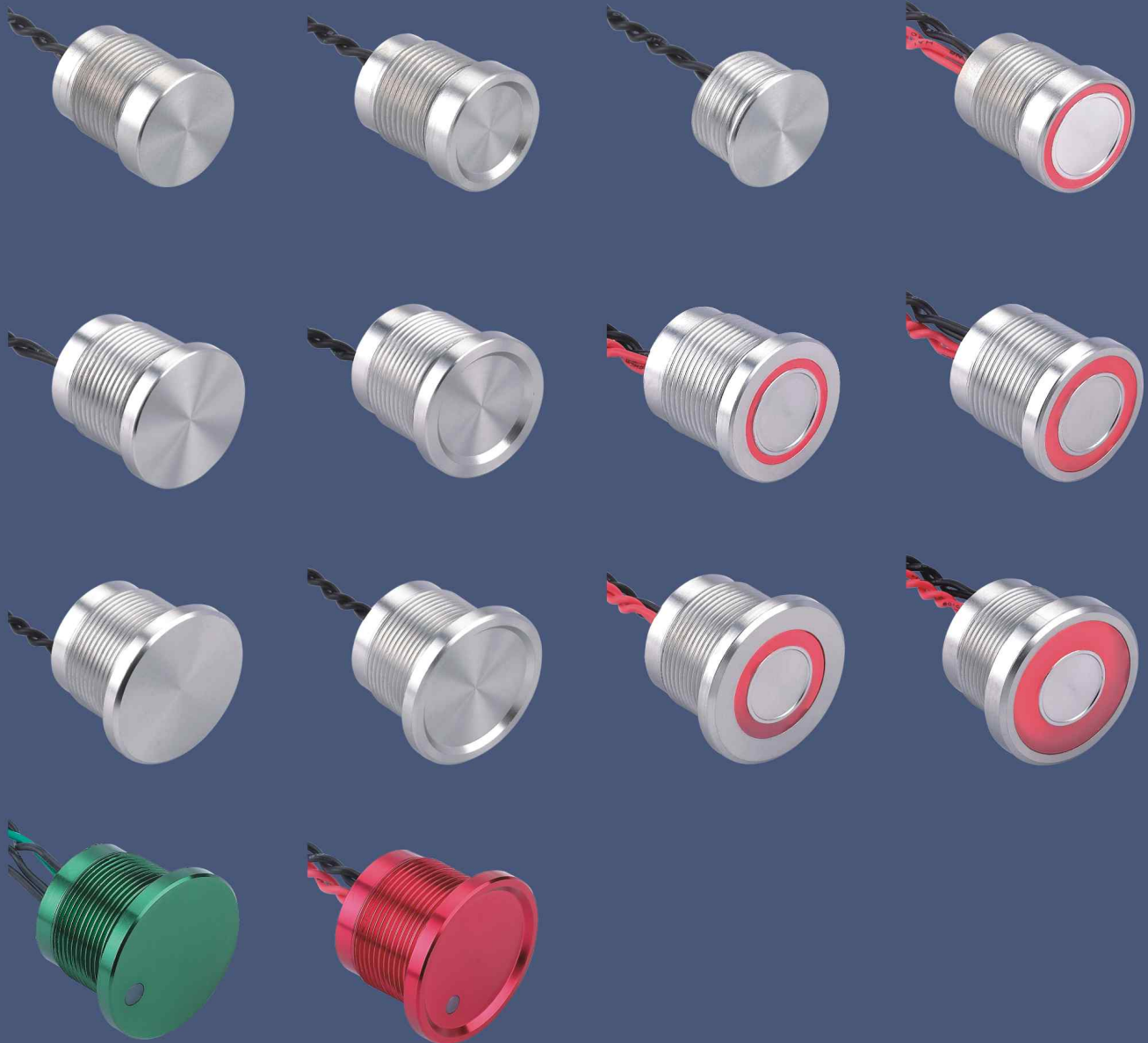


Datasheet

Item no. 647846/ 647848/ 647849/ 647888/ 647881/ 647851

V1_0717_01_en

Piezoelectric switch



Environmental specifications

- Sealing : IP68
- Vibration resistance : 10–500 Hz / 10 g
- Operating temperature : –40°C to +75°C

Materials

- Case : aluminium, anodized
- Multi-wire leads section 0,22 mm² length 300 mm, twisted by pair
- Cable, length 300 mm, section depending on switch model
- PC terminals : bronze, tin plated

Electrical and general specifications

- Max. current/voltage rating : 1A 24VAC/DC or 200mA 24VAC/DC depending on version
- Switch resistance ON : 10 max.
- Switch resistance OFF : 5M min.
- Operating force : 2 to 6N
- Life expectancy : 50 million cycles
- LED consumption : Illuminated dot : 10mA – Illuminated ring : 20mA

Datasheet

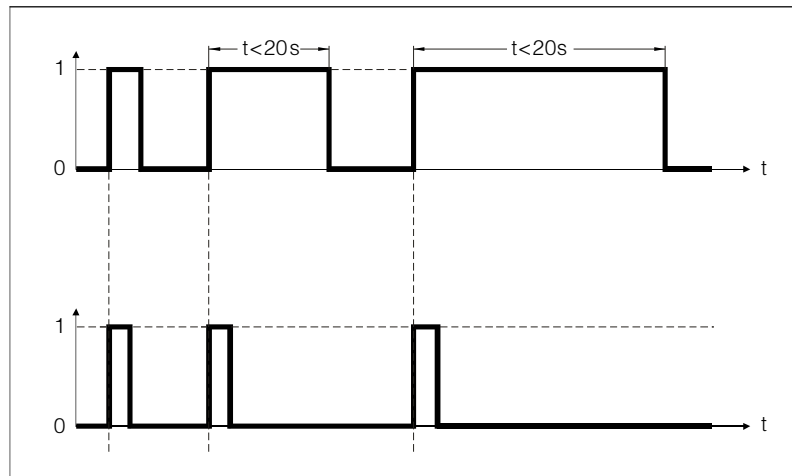
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Piezoelectric switch Overview

Finger pressure applied to switch

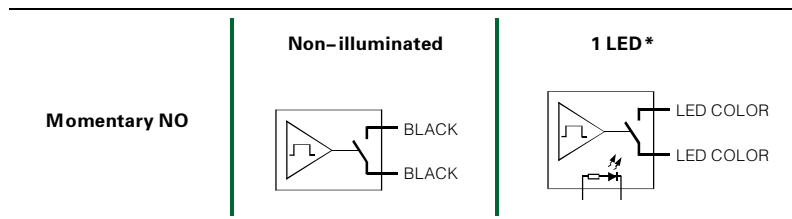
1 = pressure
0 = no pressure



Output

– Momentary NO (pulse)
No external power supply required

Wiring diagrams



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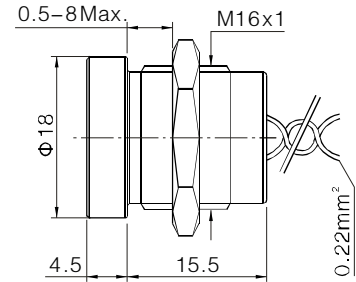
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Piezoelectric switch $\Phi 19$ Options

Non-illuminated, operator height 4.50mm, flat



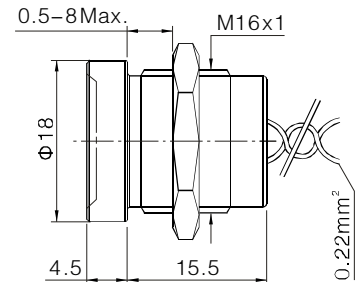
647846 : Piezo switch, flux16mm, 4.5mm flat operator, Aluminium, 200mA, 24 V AC/DC



Non-illuminated, operator height 4.50mm, with finger location



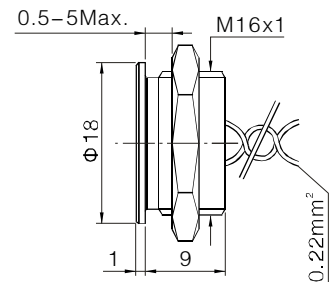
647848 : Piezo switch, flux16mm, 4.5mm finger location operator, Aluminium, 200mA, 24 V AC/DC



Non-illuminated, operator height 1mm, flat



647849 : Piezo switch, flux16mm, 1.0mm flat operator, Aluminium, 200mA, 24 V AC/DC



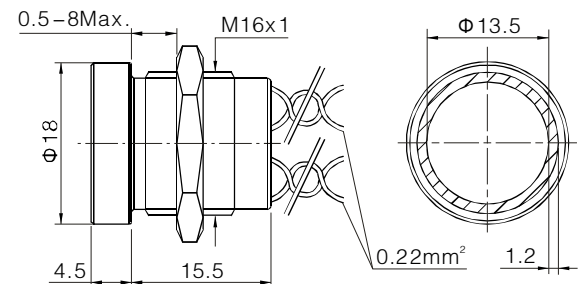
With standard illuminated ring, operator height 4.50mm, flat



647888 : Piezo switch, flux16mm, 4.5mm flat operator, Aluminium, 200mA, 24 V AC/DC, illuminated w/ Blue LED

647881 : Piezo switch, flux16mm, 4.5mm flat operator, Aluminium, 200mA, 24 V AC/DC, Ring illuminated w/ Green LED

647851 : Piezo switch, flux16mm, 4.5mm flat operator, Aluminium, 200mA, 24 V AC/DC, Ring illuminated w/ red LED



Datasheet

Item no. 647846/ 647848/ 647849/ 647888/ 647881/ 647851

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Piezoelectric switch Specifications



Shower
(IP68 sealing)



Home automation
(design, customization)



Bath
(IP68 sealing, customization)



Car wash
(IP68 sealing, long life)



Matine
(IP68 sealing, design)



Medical
(easy to clean surface, no retention area)



Food processing
(IP68 sealing)



Mining
(IP68 sealing)

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