

Unlike traditional switches Piezo switches have no moving mechanical parts making them extremely durable, withstanding millions of actuations and requiring little to no maintenance.



Piezo Switches

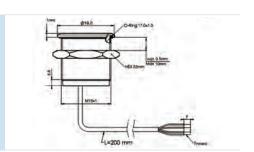
16mm Stainless Steel

Non Illuminated





- O Non Illuminated
- O 20 cm lead
- O Flathead or Guided profile



Specification

Actuating force, typically

Life cycle

MPZ016

Туре Momentary Material Stainless Steel (Aluminium upon request) Maximum Voltage 24V AC/DC Switch Resistance "ON" <1Ω Switch Resistance "OFF" 5ΜΩ Capacitance 100pF Switching current 1A Max (momentary) Switching current 300 mA (prolonged) Switching pulse time up to 0.3 sec (momentary)

3-5 N

>10 Million

Environmental Specification

Sealing IP68; IP69K

Operating temperature -40°C to +85C°

Vibration resistance 5-500Hz/9.4m

Shock resistance 75g (g-force)

RoHS Compliant

Circuit Specification

16MM Stainless Steel Non Illuminated



Piezo Switches 19mm Stainless Steel

Illuminated and Non Illuminated





Specification	MPZ019, MPZI019
Туре	Momentary
Material	Stainless Steel (Aluminium upon request)
Maximum Voltage	24V AC/DC
Switch Resistance "ON"	<1Ω
Switch Resistance "OFF"	5ΜΩ
Capacitance	100pF
Switching current (momentary)	1A Max
Switching current (prolonged)	300 mA
Switching pulse time (momentary)	up to 0.3 sec
LED Illumination	24V AC/DC
Actuating force, typically	3-5 N
Life cycle	>10 Million

Environmental Specification IP68; IP69K Sealing Operating temperature -40°C to +85C° Vibration Resistances 5-500Hz/9.4m Shock resistance 75g (g-force) RoHS Compliant **Circuit Specification** 19MM Stainless Steel Non Illuminated Switch voltage 24V AC/DC Switch Current 1A Max 24V AC/DC Power Supply 19MM Stainless Steel Illuminated 24 V AC/DC Switch voltage 1A Max 24V AC/DC Switch Current Colour* Illuminated Power Supply

24V AC/DC

Piezo Switches

22mm Stainless Steel



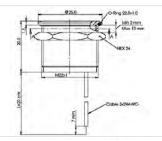
22MM Stainless Steel Non Illuminated



○ Non Illumination

O 20 cm lead

Flathead



22MM Stainless Steel Illuminated

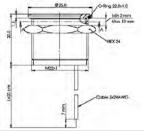


○ Red or Green Illumination

O 1 colour

O 20 cm lead

Flathead



22MM Stainless Steel Illuminated



00 MPZI022

MPZ022

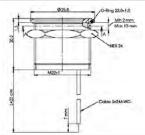
00 MPZI022

○ Red and Green Illumination

(2 colour)

O 20 cm lead

Flathead



Specification MPZ022, MPZI022

Туре Momentary

Stainless Steel Material

(Aluminium upon request)

Maximum Voltage

Switch Resistance "ON"

Switch Resistance "OFF"

Capacitance

Switching current (momentary)

Switching current

(prolonged)

Switching pulse time

(momentary)

LED Illumination

Actuating force, typically

Life cycle

24V AC/DC

<1Ω

 $5M\Omega$

100pF

1A Max

300 mA

up to 0.3 sec

24V AC/DC

3-5 N

>10 Million

Environmental Specification

Sealing

Operating temperature

Vibration Resistances

Shock resistance

RoHS

IP68; IP69K

-40°C to +85C°

5-500Hz/9.4m

75g (g-force)

Compliant

Circuit Specification

22MM Stainless Steel Non Illuminated



Switch Voltage Switch Current Power Supply

24 AC/DC 1A Max 24V AC/DC

22MM Stainless Steel Illuminated 1 colour



Switch Voltage Switch Current Color* Illuminated Power Supply

24V AC/DC 1A Max 24V AC/DC 24 AC/DC

22MM Stainless Steel Illuminated 2 colour



Switch Voltage Switch Current 1A Max Color* Illuminated 24V AC/DC Power Supply

24V AC/DC 24 AC/DC

Piezo Switches

22mm Stainless Steel Flathead

Illuminated

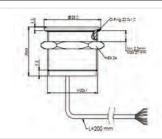


22MM Stainless Steel Illuminated



O MPZI022/L

- O Blue Illumination
- 1 colour
- O 20 cm lead



Specification

MPZI022/L

Type Latching Toggle

Material Stainless Steel

(Aluminium upon request)

Power Supply 24V AC/DC

Switching voltage 48V AC peak/DC

Switch Resistance "ON" $< 0.7\Omega$

Switch Resistance "OFF" >1000MΩ

Capacitance <90pF

Switching current 1A Max

LED Illumination 24V AC/DC

Actuating force, typically 3-5 N

Life cycle >10 Million

Environmental specification

Sealing IP68; IP69K

Operating temperature -40°C to +85C°

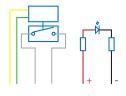
Vibration Resistances 5-500Hz/9.4m

Shock resistance 75g (g-force)

RoHS Compliant

Circuit Specification

22MM Stainless Steel Latching Toggle Illuminated

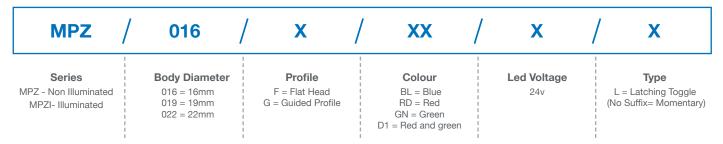


Power Supply Switch Voltage Switch Current Max Colour* Illuminated

24V AC/DC 48V AC peak/ DC 1A Max 24V AC/DC



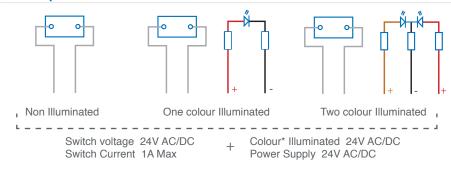
Part No System

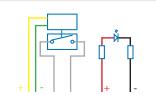


Examples:

MPZ022/F = Non Illuminated Piezo, 22mm, Flathead
MPZI022/F/RD/24 = Illuminated Piezo, 22mm, Flathead, Red Illumination, 24 volt
MPZI022/G/BL/24/L = Illuminated Piezo, 22mm, Guided Profile, Blue Illumination, 24 volt, Latching Toggle

Circuit Specifications





One colour Illuminated (Latching Toggle)

Power Supply Switch Voltage Switch Current Colour* Illuminated 24V AC/DC 48V AC peak/ DC 1A Max 24V AC/DC

Other switches are available upon request*