

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

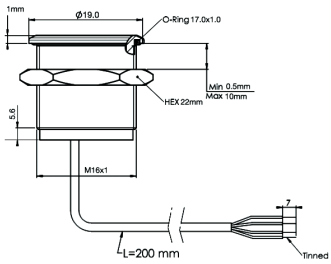


16MM Stainless Steel Non Illuminated



MPZ016

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



Specification

MPZ016

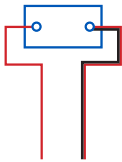
Type	Momentary
Material	Stainless Steel (Aluminium upon request)
Maximum Voltage	24V AC/DC
Switch Resistance "ON"	<1Ω
Switch Resistance "OFF"	5MΩ
Capacitance	100pF
Switching current (momentary)	1A Max
Switching current (prolonged)	300 mA
Switching pulse time (momentary)	up to 0.3 sec
Actuating force,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

Environmental Specification

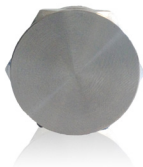
Sealing	IP68; IP69K
Operating temperature	-40°C to +85°C
Vibration resistance	5-500Hz/9.4m
Shock resistance	75g (g-force)
RoHS	Compliant

Circuit Specification

16MM Stainless Steel Non Illuminated

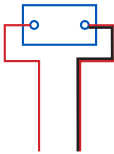
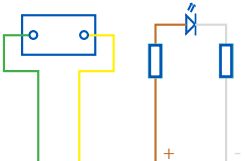



Switch voltage	24V AC/DC
Switch Current	1A Max
Power Supply	24V AC/DC

19MM Stainless Steel Illuminated	 MPZI019	<ul style="list-style-type: none">Blue Illumination20 cm leadFlathead	
19MM Stainless Steel Non Illuminated	 MPZ019	<ul style="list-style-type: none">Non Illumination20 cm leadFlathead	

Specification	MPZ019, MPZI019
Type	Momentary
Material	Stainless Steel (Aluminium upon request)
Maximum Voltage	24V AC/DC
Switch Resistance "ON"	<1Ω
Switch Resistance "OFF"	5MΩ
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	
Sealing	IP68; IP69K
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 Power Supply 24V AC/DC
19MM Stainless Steel Illuminated	
	Switch voltage 24 V AC/DC Switch Current 1A Max Colour* Illuminated 24V AC/DC Power Supply 24V AC/DC

22MM Stainless Steel Non Illuminated  MPZ022	<ul style="list-style-type: none"> ○ Non Illumination ○ 20 cm lead ○ Flathead 	
22MM Stainless Steel Illuminated   MPZI022	<ul style="list-style-type: none"> ○ Red or Green Illumination ○ 1 colour ○ 20 cm lead ○ Flathead 	
22MM Stainless Steel Illuminated   MPZI022	<ul style="list-style-type: none"> ○ Red and Green Illumination ○ (2 colour) ○ 20 cm lead ○ Flathead 	

Specification

MPZ022, MPZI022


Type	Momentary
Material	Stainless Steel (Aluminium upon request)
Maximum Voltage	24V AC/DC
Switch Resistance "ON"	<1Ω
Switch Resistance "OFF"	5MΩ
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


Sealing	IP68; IP69K
Operating temperature	-40°C to +85°C°
Vibration Resistances	5-500Hz/9.4m
Shock resistance	75g (g-force)
RoHS	Compliant

Circuit Specification


22MM Stainless Steel Non Illuminated

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

22MM Stainless Steel Illuminated 1 colour

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

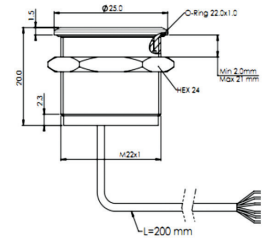
22MM Stainless Steel Illuminated 2 colour

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

22MM Stainless Steel Illuminated



- Blue Illumination
- 1 colour
- 20 cm lead



Specification

MPZI022/L

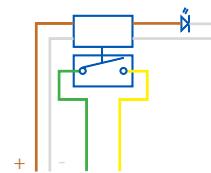
Type	Latching Toggle
Material	Stainless Steel (Aluminium upon request)
Power Supply	24V AC/DC
Switching voltage	48V AC peak/DC
Switch Resistance “ON”	<0.7Ω
Switch Resistance “OFF”	>1000MΩ
Capacitance	<90pF
Switching current	1A Max
LED Illumination	24V AC/DC
Actuating force, typically	3-5 N
Life cycle	>10 Million

Environmental specification

Sealing	IP68; IP69K
Operating temperature	-40°C to +85°C
Vibration Resistances	5-500Hz/9.4m
Shock resistance	75g (g-force)
RoHS	Compliant

Circuit Specification

22MM Stainless Steel Latching Toggle Illuminated



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

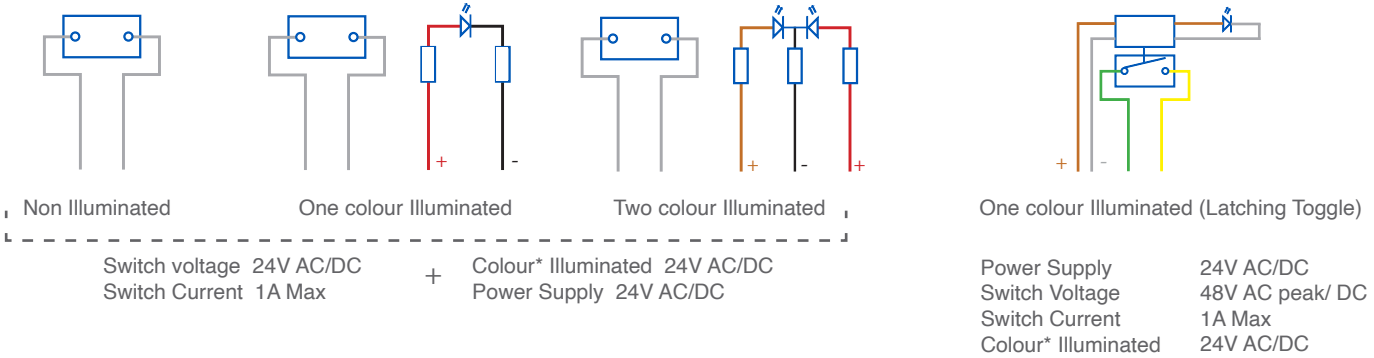
Part No System

MPZ	/	016	/	X	/	XX	/	X	/	X
Series		Body Diameter		Profile		Colour		Led Voltage		Type
MPZ - Non Illuminated MPZI- Illuminated		016 = 16mm 019 = 19mm 022 = 22mm		F = Flat Head G = Guided Profile		BL = Blue RD = Red GN = Green D1 = Red and green		24v		L = Latching Toggle (No Suffix= Momentary)

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



Other switches are available upon request*

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Bulgin:](#)

[MPZ019/F](#) [MPZI022/F/DI/24](#) [MPZI022/F/BL/24/L](#)