



Description



The M series is an anti-vandal sealed push button switch that offers the industry standard ring illuminated version in 16mm,19mm,22mm diameter. The max current can be reach to 20A. The push button switches use a scratch resistant actuator and housings are made of robust stainless steel particularly suitable for use in equipment subjected to harsh conditions or applications that require protection from vandalism.

The M series push buttons meet the seal protection and impact resistance ratings of IP67 hat design to withstand the possible extreme outdoor environmental and may subject to abuse.

Also, the M series comes with a variety of LED colors as illuminated push buttons and various of indicators on the actuator that meet your application needs.

Features&Benefits

- Momentary or Latching version
- IP67 waterproof
- Max.Current: 20A
- Mounting hole size: 16mm,19mm,22mm
- Various colors of LED illuminate indicator
- Choices of push button with symbol on spot, ring or power logo

Applications

- Marine
- Control Panels including Car park and traffic light
- Industrial Instruments
- Communication equipment
- Alarm, safety and security systems
- Lifts / Escalator

Specifications

Product specifications	HJ □ - □ / △ / ● / ☆	Mechanical life	More than 1,000,000 times
Head shape	spherical/flat round/ high flat round	Electrical life	More than 40,000 times (20A) Over 60,000 times (15A) More than 200,000 times (10A)
Bottom configuration	Wiring pins (4.8×4.8×0.8mm)	Panel thickness	1~5mm
Switch specifications	20A	Nut torque	5~14Nm
Contact resistance	≤ 50mΩ	Operating pressure	About 4N
Insulation resistance	≥ 1000MΩ	Operation travel	About 1.5mm
Dielectric strength	2500VAC	Materials	Pedestal PA
Ambient temperature	-20℃ ~+80℃		Housing Stainless steel
Protection level	IP67 IK08		Button Stainless steel
Operation mode	Momentary/Latching	Contact point	Silver alloy contact
LED specification	Built-in lamp beads		
	LED color	Three or two colors can be customized	
	Ue Rated voltage Ue	3V/6V/12V/24V/36V/48V/110V/220V	
	Ie Rated current Ie	3 to 48V About 15mA 110 to 220V about 2mA	
	LED life	40000 hours	

Note: If unidirectional DC LED lamp beads are required, they can be customized; Other voltage specifications can be customized as required.

Model description

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Business code	Housing material		Mounting hole size		Serial number	Contact structure		Operation mode		With LED		Head shape		Wiring type		LED color		LED voltage
H	JG	stainless steel	16	Φ16mm	M	10	1NO	Z	Latching	D	Entire urface	Q	Spherical	S	Welding pins	R	Red	AC/DC 3V
			19	Φ19mm		11	1NO 1NC									G	Green	AC/DC 6V
			22	Φ22mm		01	1NC									Q	Pins	AC/DC 12V
	JU	brass nickel-plated				02	2NC	NO	Momentary	D1	Dot	P	Flat head	Q	Pins	Y	Yellow	AC/DC 24V
						20	2NO											AC/DC 36V
																B	Blue	AC/DC 48V
	JA	aluminum oxidation								D3	Power icon		T	High Head				AC/DC 110V
																WT	White	AC/DC 220V
																RGB	RGB	
																RGY	RGY	

Note: Please read the product description carefully and select the corresponding code in the table according to different symbols.

Customize special patterns, please contact the sales staff to confirm.

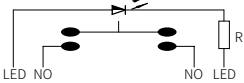
Shell material: brass nickel plating, stainless steel, aluminum oxidation, order please indicate the shell material.

Switch pin, silver plated brass by default, gold plated brass optional.

Summary

Mounting hole size	Φ16mm、Φ19mm、Φ22mm
Mounting hole size	20A
Mounting hole size	1NO 1NC / 2NO 2NC
Operation mode	Momentary/Latching
With LED	Ring /Power icon with ring
Housing material	Stainless steel
Protection level	IP67

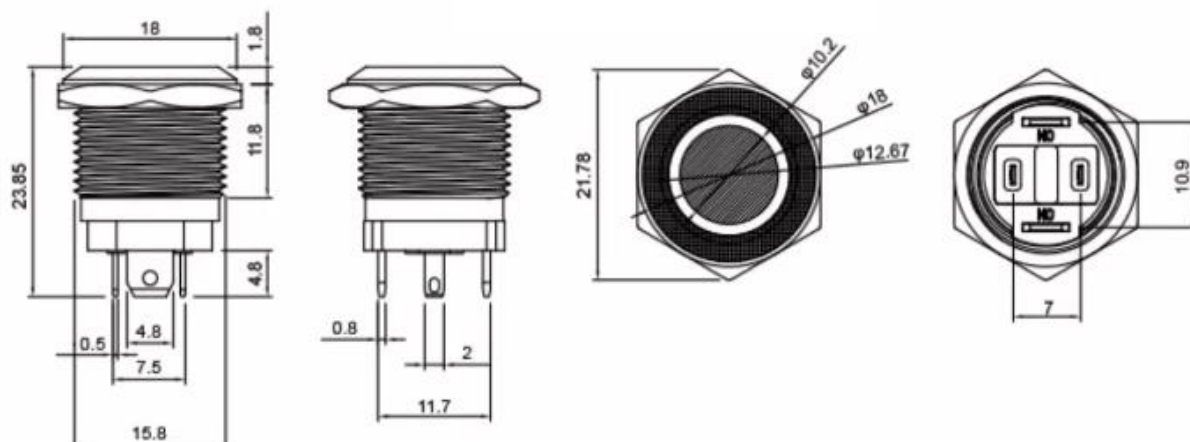
Switch structure description

Type	Schematic diagram	Symbol
M		

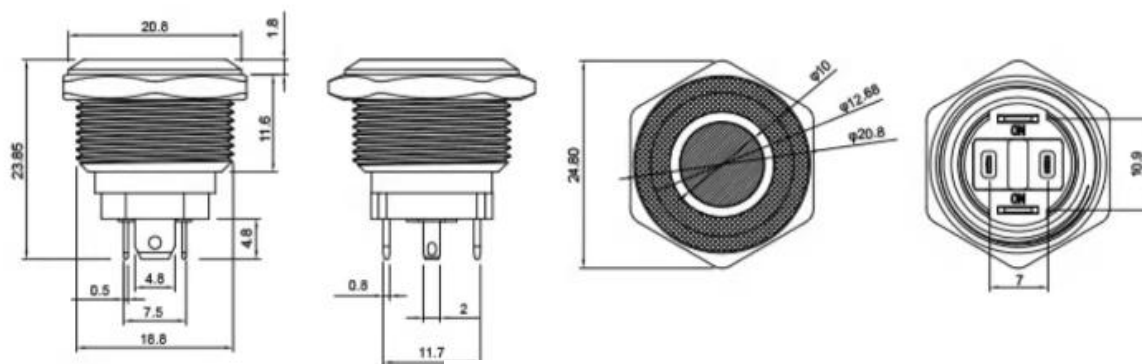
Description: Double break slow action contact switch with two terminals



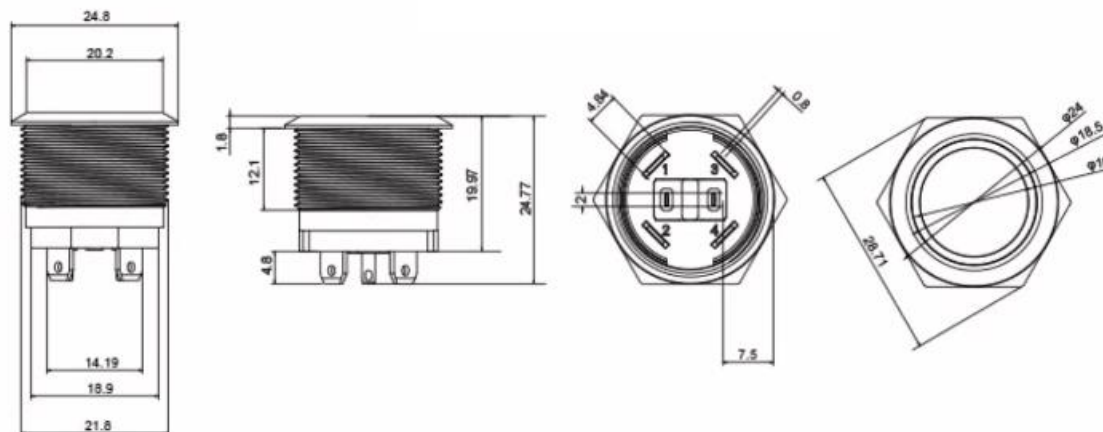
16mm(unit: mm)



19mm(unit: mm)



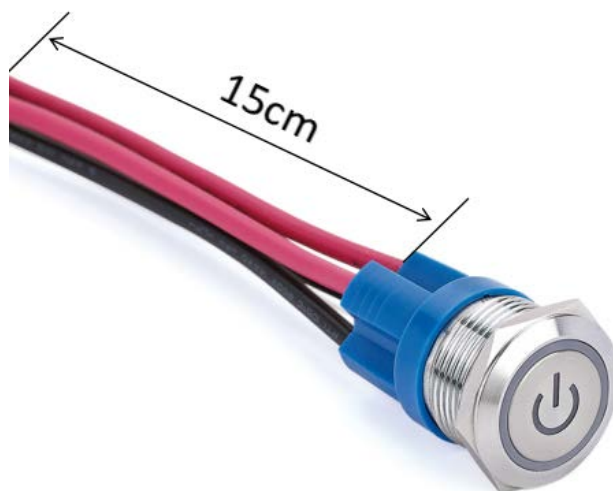
22mm(unit: mm)



With connector with wire harness



Standard length of wire harness is 15cm
Other length can be customized



Standard length of wire harness is 15cm
Other length can be customized

With connector with wire harness which can resettable

