



Description



The M3 FZ series is an anti-vandal sealed push button switch electrical inside with glue filling & wires that offers the industry standard ring illuminated version in 19mm,22mm diameter. The max current can be reach to 10A. 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. Entire assembly component is waterproof. And it has many types of load control output to meet your requirement.

The M3 FZ 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 M3 FZ 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

- Dual Output
- Many types of load control output
- IP68 sealed, Entire assembly component is waterproof
- Per circuit current: 5A
- Mounting hole size: 19mm, 22mm
- Momentary version
- 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

Specifications

Product specifications	HJS- □ / △ / ● / ☆	Mechanical life		More than 1.,000,000 times
Head shape	Flat head	Electrical life		More than 200,000 times
Bottom con igation	Red, orange, black harness, standard 15cm	Panel thickness		1~5mm
Heating current lth	10A	Nut torque		5~14Nm
Contact resistance	≤ 50mΩ	Operating pressure		About 4N
Insulation resistance	≥ 1000MΩ	Operation travel		About 1.5mm
Dielectric strength	2000VAC	Materials	Pedestal	PA
Ambient temperature	-20℃ ~+80℃		Housing	Stainless steel
Protection level	IP67 IK08		Button	Stainless steel
RoHS	Customizable	Contact point		Silver alloy contact
LED specification	Built-in lamp beads			
	LED color	Three or two colors can be customized		
	Ue Rated voltage Ue	6V/12V/24V/36V/48V		
	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.



ZHEJIANG HANSHANG ELECTRIC CO., LTD.

Metal push button switch electrical inside with glue filling&wires M3 FZ Series Datasheet

Model description

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	19 Φ19mm	M	10 1NO	NO Momentary	D1 Dot	Q Spherical	L Harness derivation	R Red	AC/DC 6V
	JU brass nickel-plated	22 Φ22mm				D2 Ring	P Flat head		G Green	AC/DC 12V
	JA aluminum oxidation					D3 Power icon	T High Head		Y Yellow	AC/DC 24V
						D4 Power icon with ring			B Blue	AC/DC 36V
						Customize special patterns, please communicate with sales sta to con irm.				WT White
									RGB RGB	
									RGY RGY	

Control terminal	Load control output form
Positive control FZ+	21 press once, both circuits start to output, press again, the first circuit off, and the second circuit keeps on.
Negative control FZ-	22 press once, the first circuit starts to output, press again, the second circuit starts to output.
	23 press once, the first circuit starts to output, press again, the first circuit keeps on, and the second circuit starts to output.
	31 press once, all three circuits start to output, press again, the first and the second circuit keep on, the third circuit off, press once again, the first circuit keeps on, the second and the third circuit off.
	32 press once, the first circuit start to output, press again, the second circuit start to output, press once again, the third circuit start to output.
	33 press once, the first circuit starts to output, press again, the first circuit keeps on and the second start to output, press once again, the first and the second circuit keep on, and the third circuit starts to output.

WIRING DIAGRAM

DUAL OUTPUT

