MADE BY PROFESSIONAL

MKF-JS09-MINI

Description

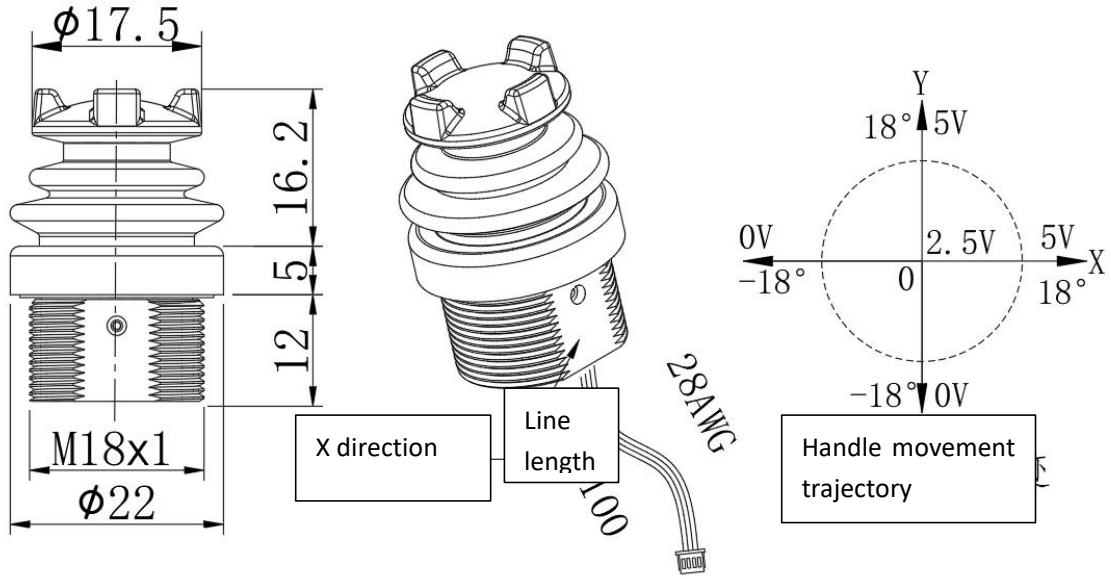
The MKF-JS09-MINI Hall effect joystick is a panel-mounted, embedded design made primarily of aluminum alloy and stainless steel. It features dual axes, spring-loaded automatic return, a high-precision Hall effect sensor, linear correction across the entire temperature range, IP65 protection rating, smooth operation, and an ergonomic mechanical design. It is suitable for applications such as robots, drones, medical equipment, aerospace, shipbuilding, broadcasting, and video surveillance equipment.

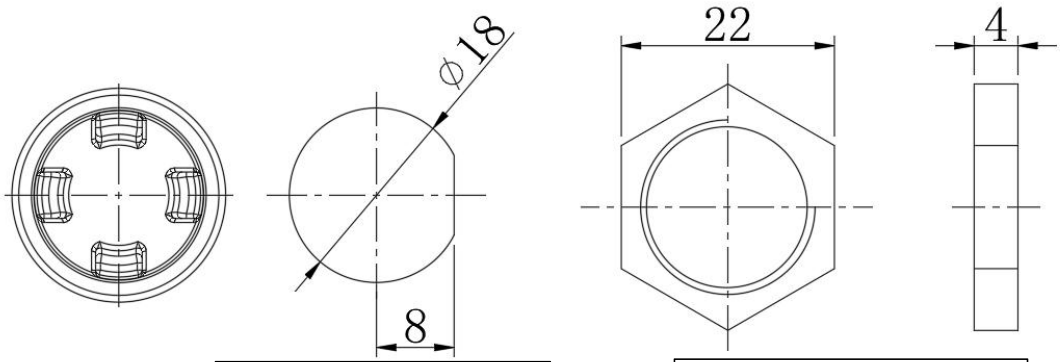
(MKF-JS09-MINI Hall effect joystick rendering)

Features

Main materials: Aluminum and gold, stainless steel
Positioning method: Spring self-resetting
Operating angle: Any direction ±18° (X, Y)
Operating force: 0 ~ 3 Newtons; Allowable maximum operating force: 15 Newtons
Sensor: Hall effect sensor
Linearity: Less than 1%
Input voltage: (5±0.1)Vdc
Current: <100mA
Signal output: (0±0.1)Vdc ~ (2.5±0.1)Vdc ~ (5±0.1)Vdc
Operating life: 1 million cycles
Protection level: IP65
Operating temperature: -40℃ to +80℃
Storage temperature: -45℃ to +85℃
Operating humidity: 95±3%RH
Installation dimensions: See details

Installation diagram:

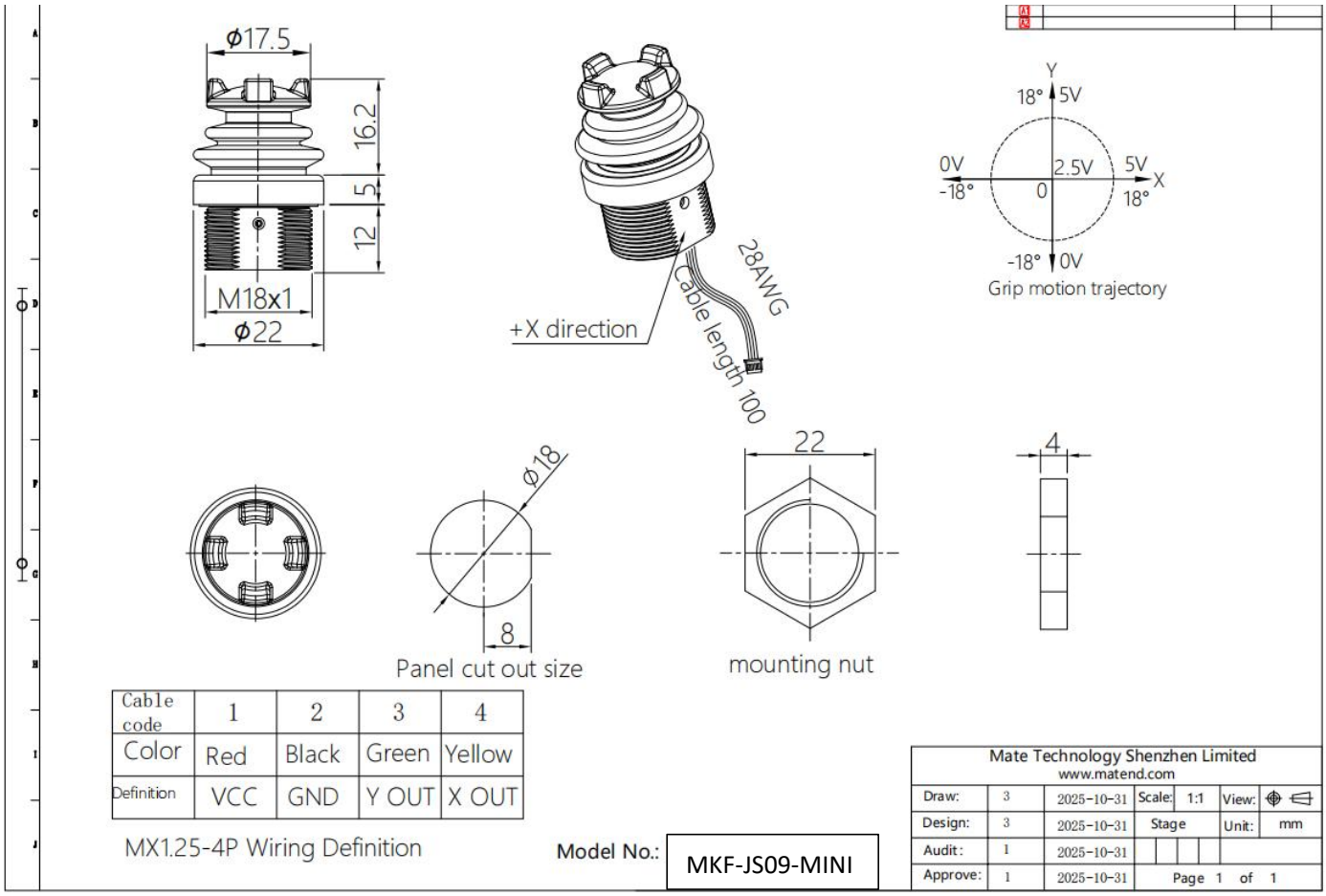




Line number	1	2	3	4
Color	Red	Black	Green	Yellow
Definition	VCC	GND	Y OUT	X OUT

MX1.25-4P Wiring definition

Drawing



Cable code	1	2	3	4
Color	Red	Black	Green	Yellow
Definition	VCC	GND	Y OUT	X OUT

MX1.25-4P Wiring Definition

Model No.: MKF-JS09-MINI

Mate Technology Shenzhen Limited www.matend.com						
Draw:	3	2025-10-31	Scale:	1:1	View:	
Design:	3	2025-10-31	Stage		Unit:	mm
Audit:	1	2025-10-31				
Approve:	1	2025-10-31	Page 1 of 1			