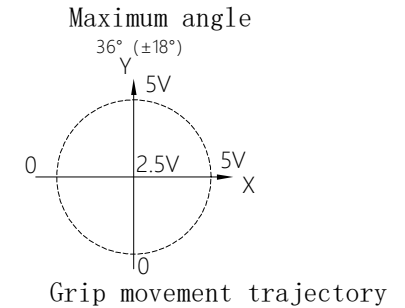
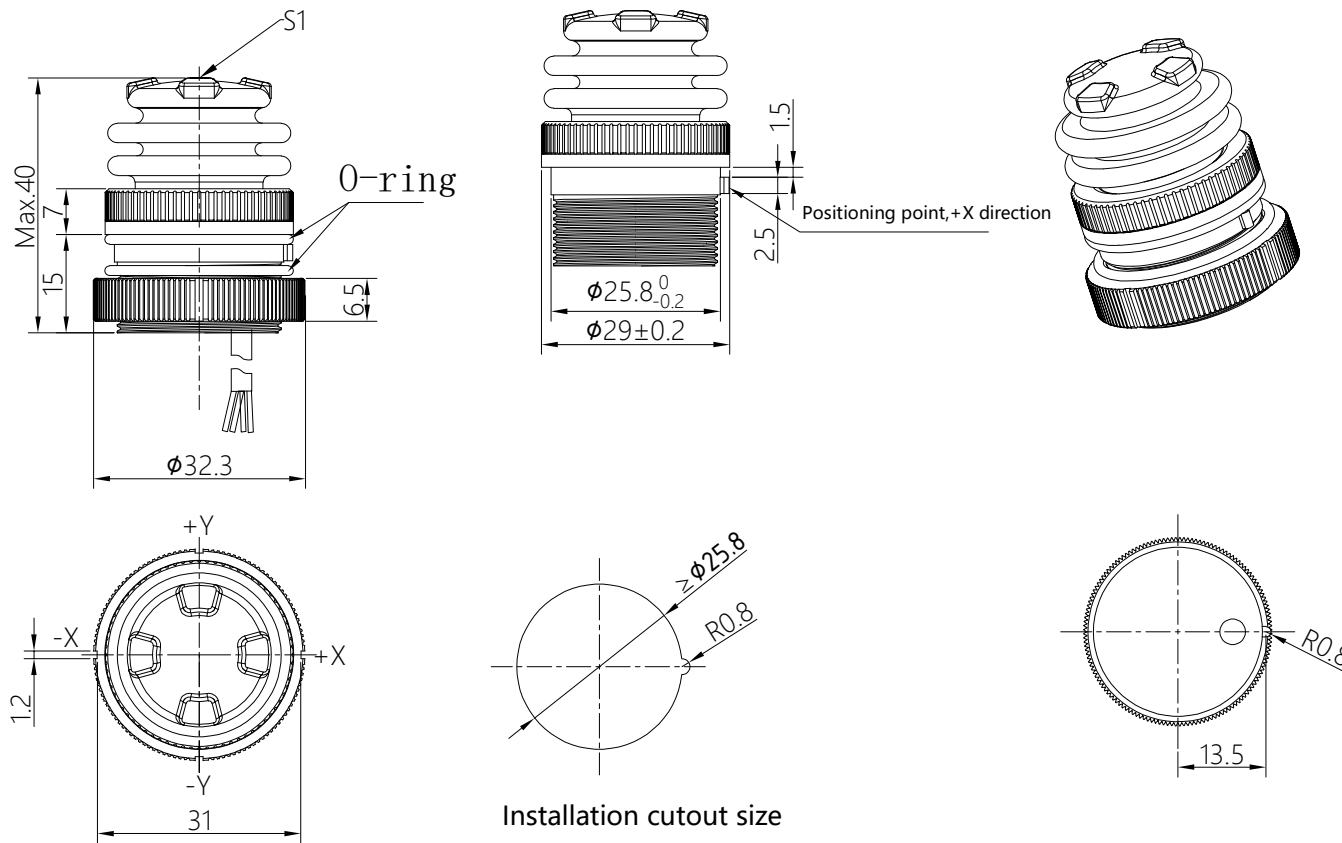


记号:	变更原因	签认日期
A1		
A2		



1 Red ——— V+
2 White ——— X OUT
3 Green ——— Y OUT
4 Black ——— GND
5 Blue ——— S1

Cable out diagram
Cable length: 300±10mm

Product Brief

This product is injection-molded and features a thumb-operated, non-contact Hall sensing design. It is rugged, lightweight, flexible, and easy to operate, with long service life and excellent environmental protection. Thumb operation enables physical signal output. An embedded high-quality waterproof button on the top provides customizable functionality. Multiple communication output options are available.

1. Mechanical Specifications

- 1.1 Main Materials: Dupont 70G30, silicone
- 1.2 Weight: 30 g (max.)
- 1.3 Operating Force: 0 to 3 N; Max. allowable operating force: 50 N
- 1.4 Control Range (X/Y Axis):

18° ±2° from center position in any direction

2 Electrical Specifications

- 2.1 Input Voltage: 5 VDC; Current: ≤50 mA
- 2.2 Signal Output (X/Y Axis):
Voltage: 0.5 ~ 4.5 VDC ±10%
Null Voltage (Center): 2.5 VDC
Tolerance: ±0.2 VDC
Output Impedance: 1 kΩ
- 2.3 Push Button (S1): Self-resetting, normally open, 100 mA @ 5 VDC
- 2.4 Cable: 0.12 mm² Teflon silver-plated copper wire
3. Ingress Protection Rating
Below mounting panel: IP67
Above mounting panel: IP65
4. Environmental Parameters
4.1 Operating Temperature: -40 °C to +70 °C
4.2 Storage Temperature: -45 °C to +75 °C
4.3 Special Temperature Range: Available upon request

Model No.:MKF-JS09-V4

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Draw:	1	2026-03-18	Scale: 1:1	View:		
Design:	1	2026-03-18	Stage	Unit:	mm	
Audit:	1	2026-03-18				
Approve:	1	2026-03-18	Page	1	of	1