

## MKF-PJS05 series

Mate Industrial Joystick, Finger Operated, Potentiometer, Dual axis, Panel Mounted

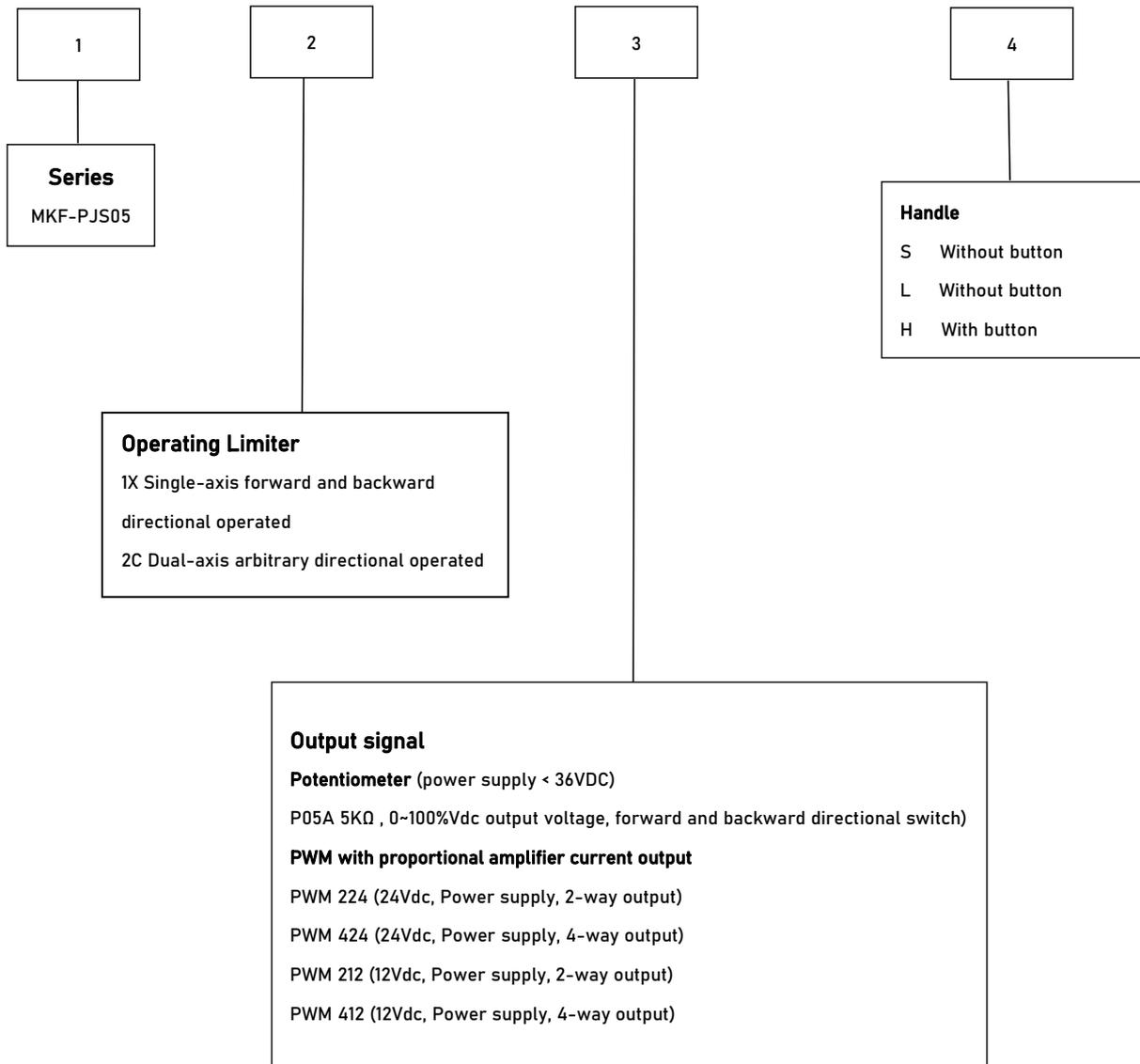


### APPLICATION

Typical application on remote control box, off-highway vehicle.

### DESCRIPTION

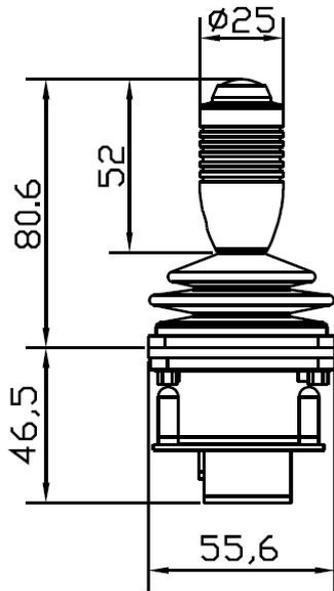
- Dual-axis finger operated, spring return
- Spring return
- With center tap potentiometer angle detection
- 2mA (max) current directional switch
- Proportional amplifier to direct drive hydraulic proportional valve optional



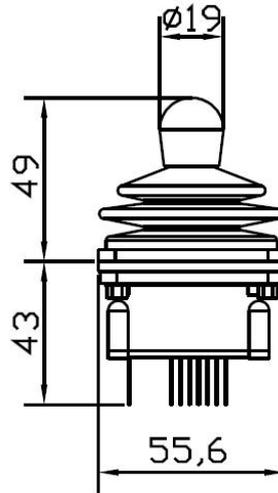
## Technical Information

Power supply	<36Vdc
Total resistance	5K $\Omega$
Electrical angle	$\pm 30^\circ$
Center tap voltage	48%~52%Vdc
Center tap angle	$\pm 2.5^\circ$
On-load voltage (max)	32Vdc
Allowance maximum power dissipation	0.25W ( 25°)
Load capacity	2mA@30Vdc (Resistance load)
Breakout angle	$\pm 3^\circ \sim \pm 5^\circ$
Contact resistance	<200 $\Omega$
<b>Mechanical features</b>	
Travel angle	$\pm 32^\circ$
Operating type	Spring return
Breakout force	3.8N
Operating force (max)	12N
Maximum allowable force	300N
Expecting life	>2 million cycles
Weight	125g
<b>Environmental data</b>	
Operating Temperature	-30 $^\circ\text{C}$ ~ +70 $^\circ\text{C}$
Storage Temperature	-40 $^\circ\text{C}$ ~ +85 $^\circ\text{C}$
Protection level	IP65 (above the flange)

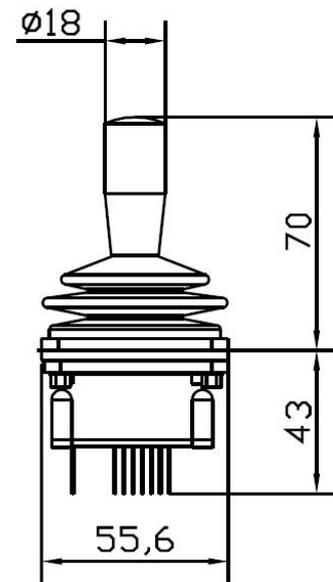
## Dimensions



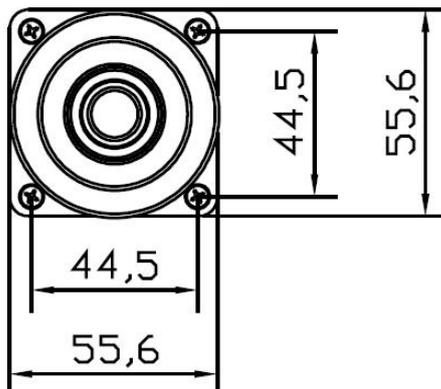
H handle



S handle

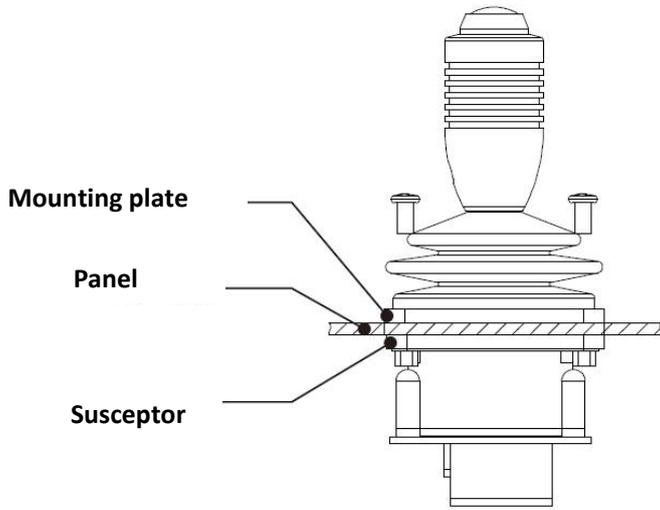


L handle

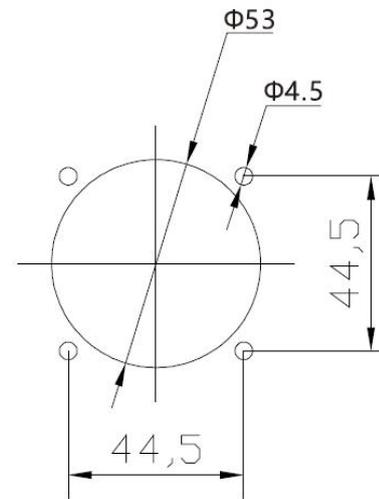


H handle top view

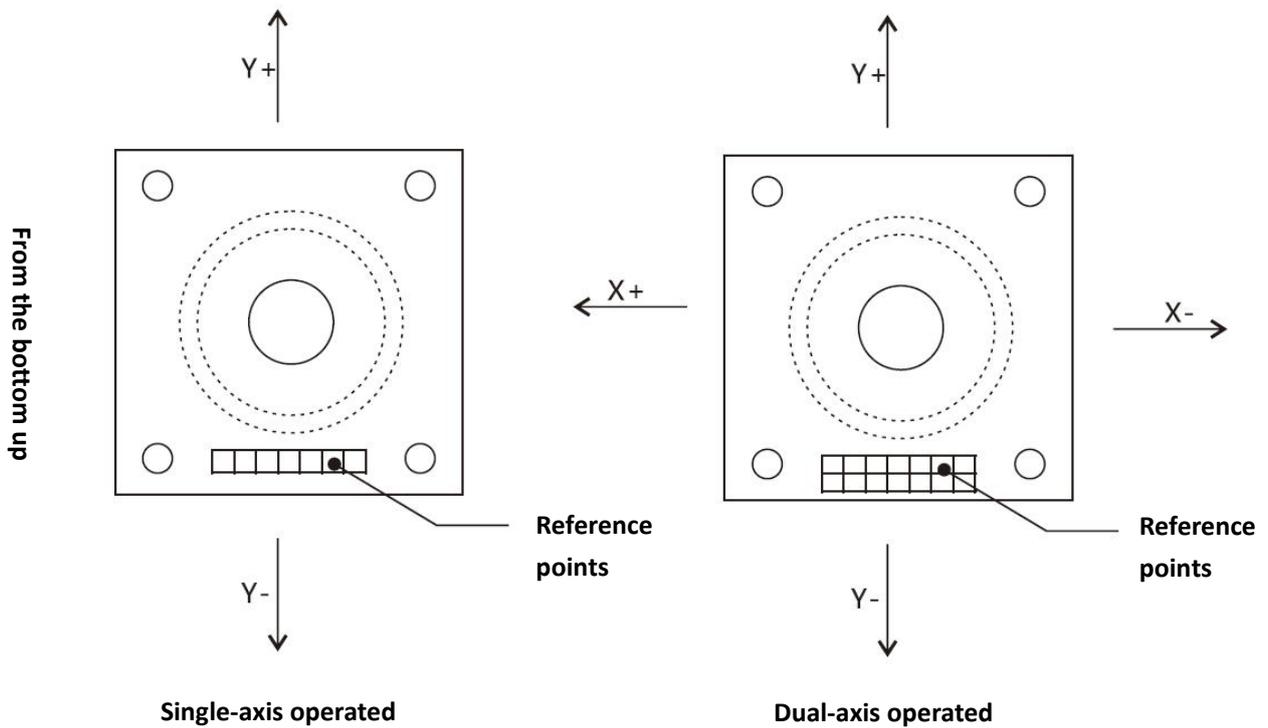
## Product installation



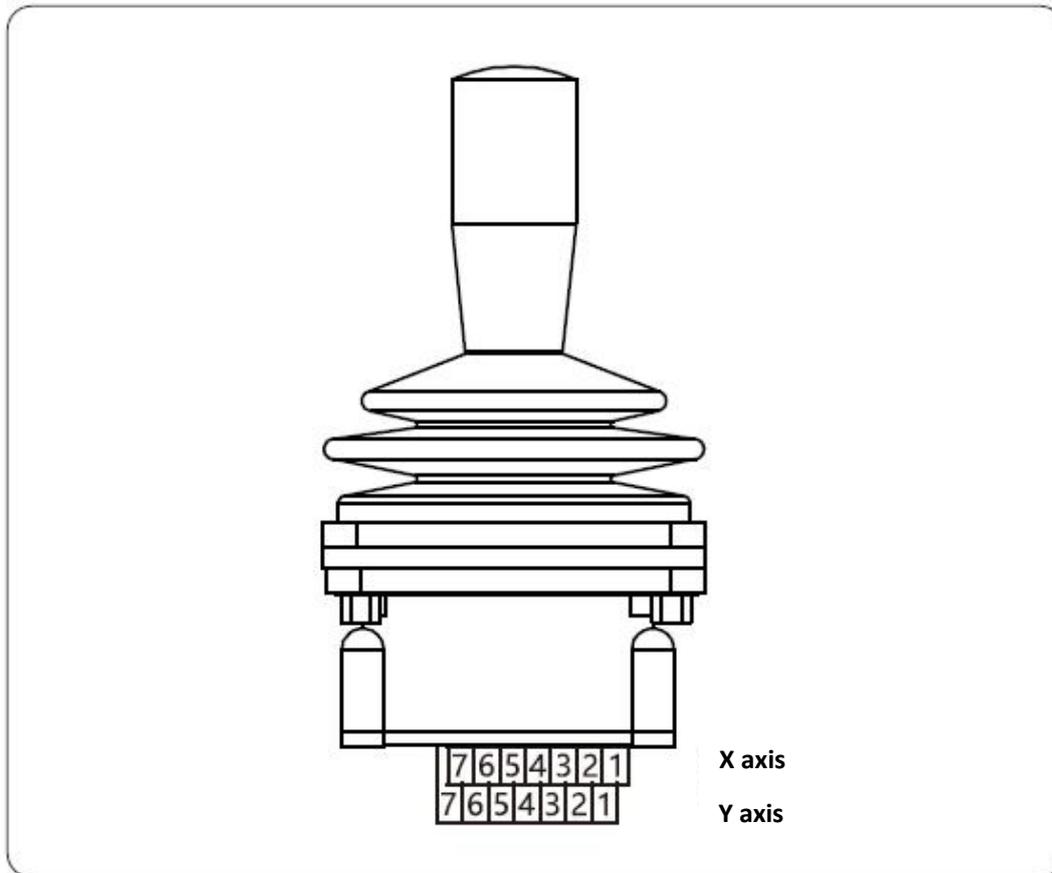
Mounting



Panel opening



## Electrical Connections



### Connector

Connector	Potentiometer
1	Com
2	Backward Switch
3	Potentiometer sliding end
4	Potentiometer terminal A
5	Center tap
6	Potentiometer terminal B
7	Button switch
8	Button switch
9	Button switch

With proportional amplifier

