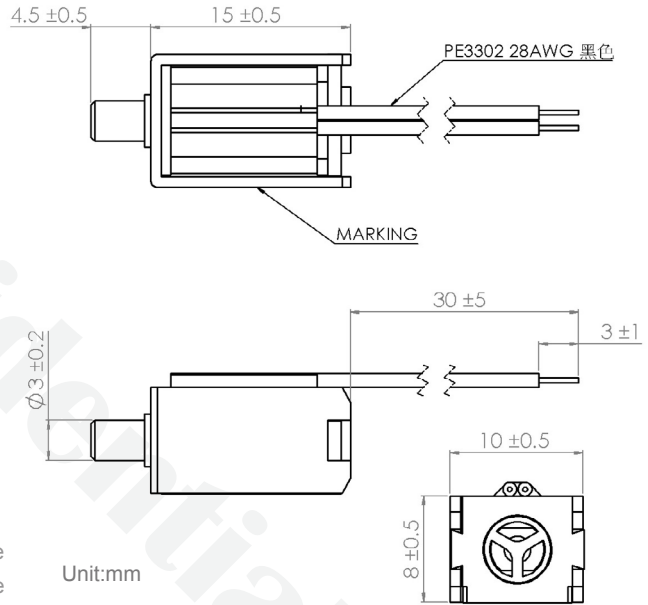


Solenoid Valve KSV04 Series KSV04A



Unit:mm

Concept

A solenoid valve is an electromechanical controlled valve. The valve features a solenoid, which is an electric coil with a movable ferromagnetic core in its center. This core is called the plunger. In rest position, the plunger with a rubber gasket on the bottom closes off a small orifice. Thus, a small spring holds the plunger down to close the valve. An electric current through the coil creates a magnetic field. The magnetic field exerts a force on the plunger. As a result, the plunger is pulled toward the center of the coil so that the orifice opens.

When the solenoid is not powered, the magnetic field disappears, making the spring goes back up and the orifice will be closed.

Features

- ▶ Compact size
- ▶ Low air leakage
- ▶ High stability

Application

- ▶ Medical Instruments
- ▶ Wrist-type electric BPM
- ▶ Combustion analyzers
- ▶ Patient Monitoring
- ▶ Household appliances
- ▶ Healthcare devices

Model Key

Product	KOGE	Solenoid	Category	Inner Core Diameter	SeriesA-Z	Voltage	Series	Output
Valve	K	S	V	04	A	3	A	KSV04A-3A

Specifications

Part Number	KSV04A	
Voltage	DC 3V	DC 6V
Operating Voltage	DC 2.2 ~ 3.2V	DC 5.4 ~ 6.6 V
Max. Pressure	350mmHg	350mmHg
Max. Current	150mA	60 ~70mA
Type	Normally Open	Normally Open
DC Resistance	20Ω±10%	90~100Ω
Life	30,000 cycles	30,000 cycles
Testing Cycle	On 1s;Off 2s	On 1s;Off 2s
Exhaust Speed	< 2.5s (from 300mmHg to 10mmHg at 50cc tank with DC3.0V)	< 4.0s (from 300 mmHg to 15mmHg at 100cc tank)

Materials

Metal nozzle	Steel
Bobbin	Plastic
Washer	Rubber