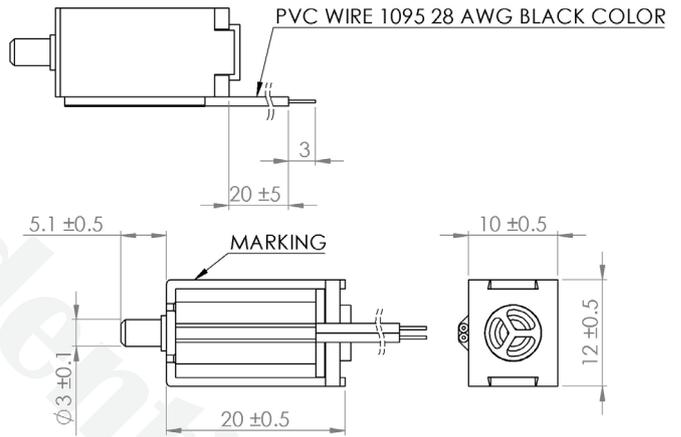


Solenoid Valve

KSV05 Series KSV05A



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	05	A	3	A	KSV05A-3A

Specifications

Part Number	KSV05A				
Voltage	DC 3V	DC 6V	DC 12V	DC 24V	DC 32V
Operating Voltage	DC 2.2 ~ 3V	DC 3.3 ~6 V	DC 10.8V~12V	DC 18.0V~24V	DC 28.0~35V
Max. Pressure	330mmHg	350mmHg	350mmHg	350mmHg	350mmHg
Max. Current	130mA	60 mA	45mA	63mA	110mA
Type	Normally Open				
DC Resistance	23Ω±10%	100 Ω ± 10%	270Ω±10%	380Ω±10%	293 Ω ±10%
Life	30,000 cycles				
Testing Cycle	On 1S ,Off 1S	On 1S ,Off 1S	On1S ,Off1S	On 1S ,Off 1S	On 1S ,Off 1S
Exhaust Speed	<3.0s (from 300 mmHg to 15mmHg @100cc tank)	<6.0s (from 300 mmHg to 10mmHg @500cc tank)	<8.0s (from 300 mmHg to 10mmHg @500cc tank)	<3.0s (from 300 mmHg to 10mmHg @300cc tank)	<2.25s (from 300 mmHg to 15mmHg @500cc tank with DC 28V)

Materials

Metal nozzle	Steel
Bobbin	Plastic 130°C
Washer	Rubber

Similar Products

	3V	6V	12V	24V	32V
	KSV05B-3D02	KSV05A-6C	KSV05A-12B	KSV05B-24A	KSV05B-32B
		KSV05B	KSV05B-12A		