GW...A6 pressure switch

Product Description:

The GWA6 pressure switch is an adjustable, compact pressure monitor for combustion equipment and gas single valves. When the gas pressure changes to its switching point (rated value)

When the switch is turned on, the switch will convert the pressure change signal into the open and close change signal of the circuit.

The switch point (rating) of this pressure switch can be adjusted by adjusting the dial, which is convenient and time-saving without the need for a pressure gauge.

Features:

- Easy installation, small size and light weight
- Accurate, convenient and time-saving scale

Application:

GWA6 pressure switch is mainly used for pressure monitoring on combustion equipment and MVD gas single valve.

This product is only suitable for 1, 2, 3 gas and other neutral gases or gaseous media.

Function Description

Features:

This switch can work in the overpressure area
(But cannot exceed its maximum working pressure) auxiliary energy is not needed when working.

Switch Features:

When the pressure fluctuates, the reaction time is short.

Overvoltage performance:

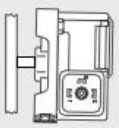
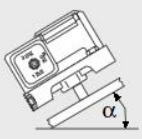
GW...A6 is a pressure monitoring switch suitable for long-term operation in the overpressure area. When it exceeds or falls below the set rated value, it switches the switching action of the circuit.

Technical parameter

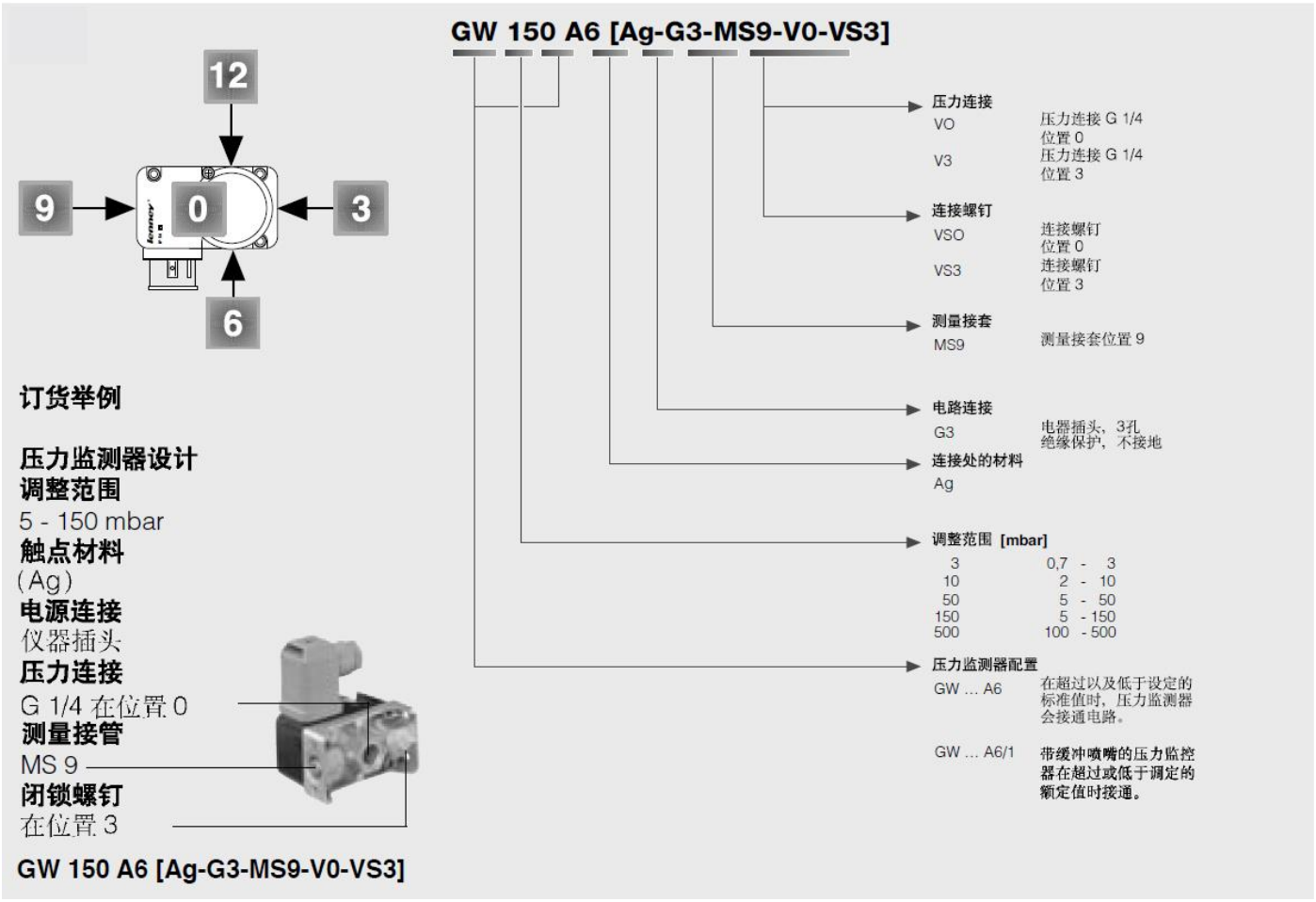
1mbar=100pa=0.1KPa≈10mmWS

Max working pressure	GW3A6-GW150A6	max 500mbar(50kPa)
	GW500A6	max 600mbar(60kPa)
Media	suitable for gases of families 1,2,3 and other neutral gaseous media.	
Presure connection	Standard: The center of the bottom surface of the housing, G1/4 female thread.Special: G1/4 internal thread on the right side, to be customized	
Measuring connection	Ø9X10MM special locking screw connector	
Temperature range	Ambient temperature	-15℃ to +70℃
	Medium temperature	-15℃ to +70℃
	Storage temperature	-30℃ to +80℃
Materials	Foundation:	Aluminium die casting
	Housing:	Polyamide
	Diaphragms:	NBR
	Cpntact	AG
Operating Voltage:	AC	min.24V max.250V
	DC	min.24V max.48V
Maximum rated current	GW10-500A5	GW3A5
	AC eff. max. 3 A	AC eff. max. 2 A
	AC eff. min. 20 mA	AC eff. min. 20 mA
	DC max. 1 A	DC max. 1 A
	DC min. 120 mA	DC min. 120 mA
Electrical connection	Plug box according to DIN EN 175 301-803S, protection class 3, no ground	
Degree of protection	IP54	
Setting tolerance	±15% switching point deviation referred to reference value, adjusted at pressure rises, vertical diaphragm position	

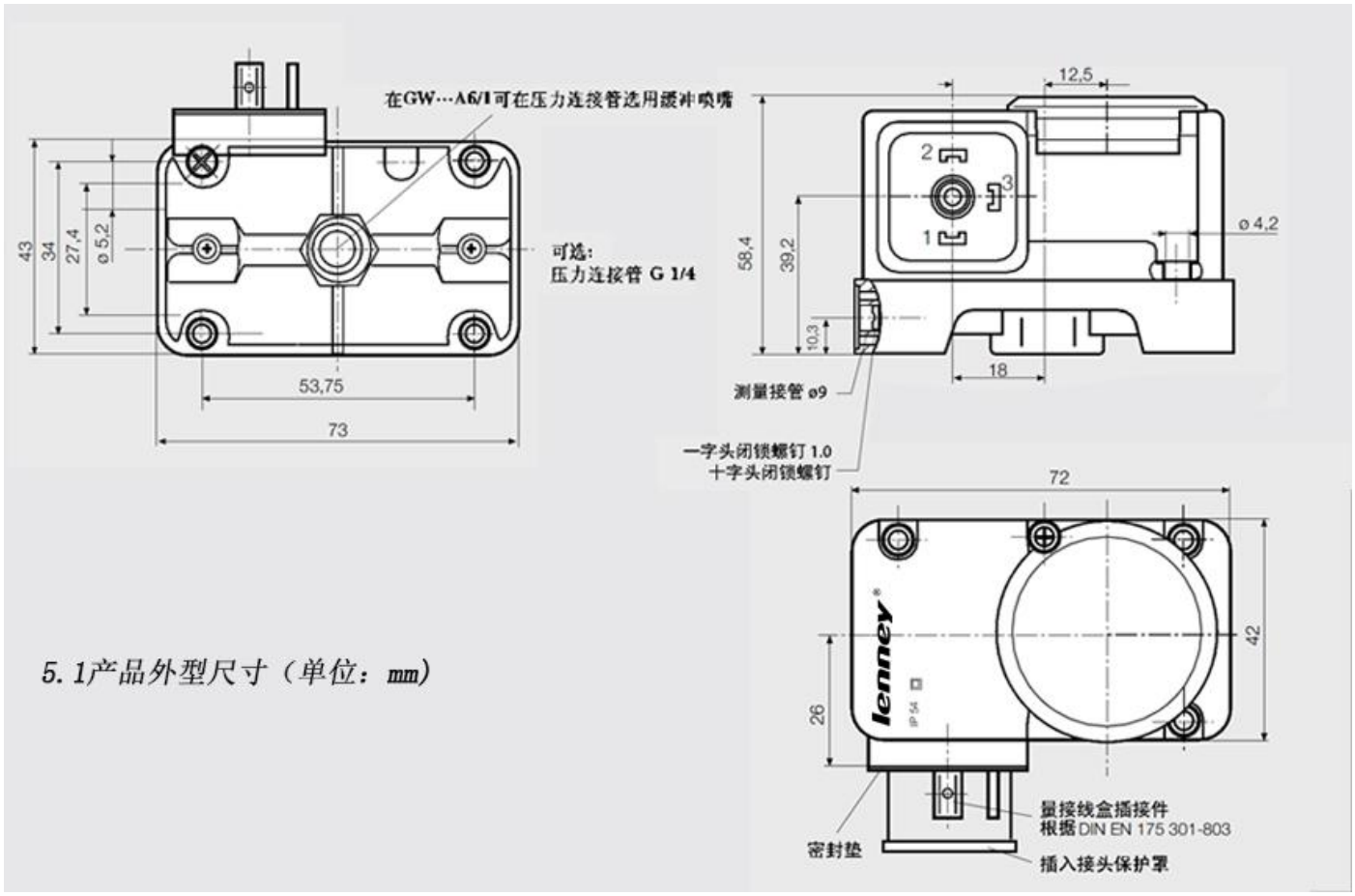
Installation location

Vertically		Standard installation position, the actual operating pressure value is closest to the scale value.
Horizontally		The actual operating pressure value is higher than the scale rated value.
Upside down		The actual operating pressure value is lower than the scale rated value. (GW3A5 please do not install it upside down, because Due to gravity, the switch may malfunction)
Obliquely		Actual operating pressure values may be higher or lower than the scale rating.

Product model description



Installation and dimensions



5.1产品外型尺寸（单位：mm）

Model summary

Type	Model	Range	Switching difference
GW A5	GW 3A5	0.7- 3	≤0.7
压力开关	GW 10A5	2- 10	≤ 1
	GW 50A5	5- 50	≤ 2.5
	GW150A5	5-150	≤ 5
	GW500A5	100-500	≤ 15

Definition of Δp switching difference
The Δp switching difference is the pressure difference between the upper and lower switching pressure.