



Pneumatic Pressure Switch

IS3000 Series

Can be used for micro load, around 10 mA e.g. relays, programmable controllers, etc.

Easy electrical wiring

Wide space for wiring. Fixed wiring possible with G 1/2 connector.

Calibration range

0.1 to 0.7 MPa

Frequency: 1 cycle/sec
Service life: 10 million cycles

With indicator light



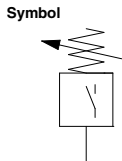
IS3100
(Gasket piping)

IS3000-02
(Rc 1/4 thread)



IS3110
(Gasket piping)

IS3010-02
(Rc 1/4 thread)



Model

Model	Piping method	Micro switch type	Min. applicable load
IS3000-02	Rc 1/4 thread	Standard	5 VDC 160 mA
IS3100	Gasket piping		
IS3010-02	Rc 1/4 thread	Micro load	5 VDC 1 mA
IS3110	Gasket piping		

Specifications

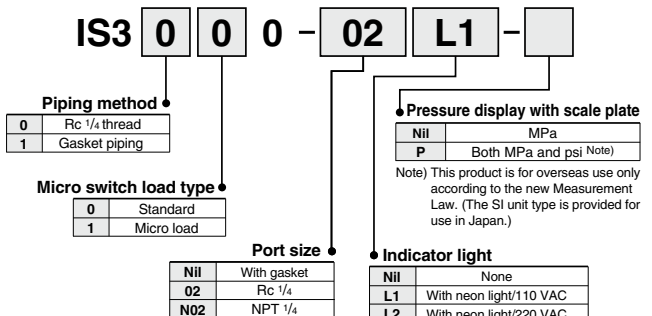
Fluid	Air/Inert gas
Proof pressure	1.0 MPa
Max. operating pressure	0.8 MPa
Pressure adjustment range	0.1 to 0.7 MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Contacts	1ab
Error of scale	±0.1 MPa
Hysteresis	0.05 MPa or less
Repeatability	±0.05 MPa
Enclosure	Equivalent to IP40
Weight	0.15 kg

Micro Switch Ratings

Model	IS3 ⁰ 00								IS3 ⁰ 10	
	Non inductive (A)				Inductive load (A)				Non inductive (A)	
	Load resistance		Light load		Inductive load		Motor load		Load resistance	
Circuit Rated voltage (V)	N.C.	N.O.	N.C.	N.O.	N.C.	N.O.	N.C.	N.O.	N.C.	N.O.
	125 AC	5	1.5	0.7	3	2.5	1.3	0.8	0.1	—
	250 AC	3	1	0.5	2	1.5	0.8	—	—	—
	30 DC	4	—	2	—	3	—	3	—	0.1
	125 DC	0.4	—	0.05	—	0.4	—	0.05	—	—

Insulation resistance: 100 MΩ or more at 500 VDC by megameter
Voltage resistance: 1500 VAC, 50/60Hz for 1 min. (When using switch with neon light: 1000 VAC for 1 min.)

How to Order



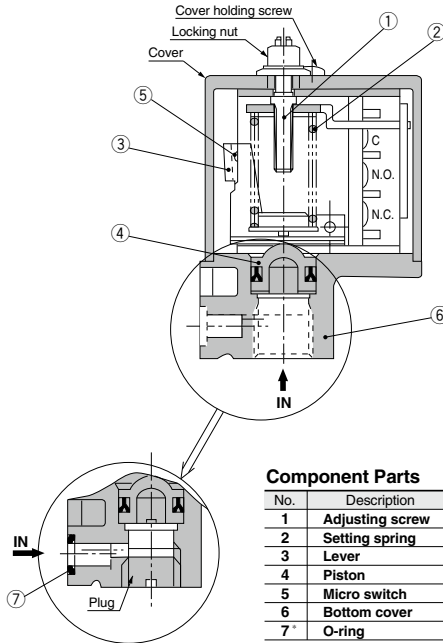
Note) Micro load type: Not available "L2" option.



Construction

Pneumatic Pressure Switch *IS3000 Series*

IS3000-02/3010-02
(1/4 thread)



Component Parts

No.	Description	Material
1	Adjusting screw	Roller steel
2	Setting spring	Roller steel
3	Lever	Roller steel plate
4	Piston	Polycetal
5	Micro switch	—
6	Bottom cover	Aluminum die-cast
7	O-ring	NBR

* Only for gasket mounting type

Dimensions

