

# 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)

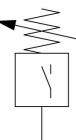


IS3110  
(Gasket piping)



IS3010-02  
(Rc 1/4 thread)

Symbol



### 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 <sup>0</sup> 00								IS3 <sup>0</sup> 10		
	Non inductive (A)				Inductive load (A)				Non inductive (A)		
	Load resistance		Light load		Inductive load		Motor load		Load resistance		
Rated voltage (V)	Circuit	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	0.1		
		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

IS3 0 0 0 - 02 L1 -

- Piping method**

0	Rc 1/4 thread
1	Gasket piping
- Micro switch load type**

0	Standard
1	Micro load
- Port size**

N11	With gasket
02	Rc 1/4
N02	NPT 1/4
- Pressure display with scale plate**

N11	MPa
P	Both MPa and psi (Note)

Note) This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)
- Indicator light**

N11	None
L1	With neon light/110 VAC
L2	With neon light/220 VAC
L5	LED/24 VDC

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