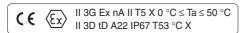
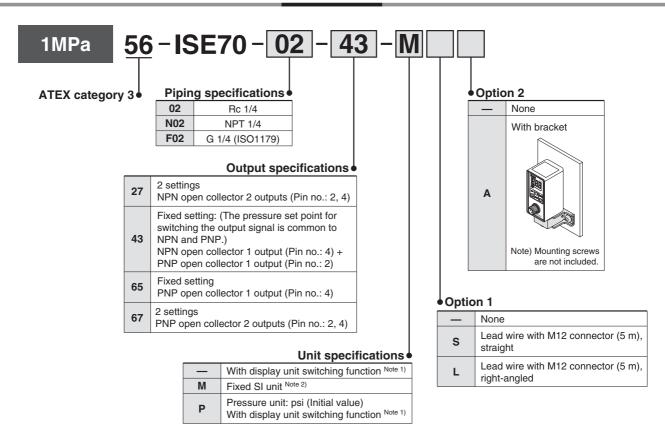
ATEX Compliant

Digital Pressure Switch for Air Series 56-ISE70



How to Order



Note 1) Under the New Measurement Law, sales of switches with the unit switching function are not allowed for use in Japan. (Initial value: MPa) Note 2) Fixed unit: Mpa

Specifications

Model	56-ISE70	
Rated pressure range	0 to 1 MPa	
Pressure display range/Set pressure range	-0.1 to 1 MPa	
Withstand pressure	1.5 MPa	
Pressure display resolution/Minimum unit setting	0.01 MPa	
Applicable fluid	Air, Non-corrosive gas, Non-flammable gas	
Power supply voltage	12 to 24 VDC \pm 10 %, Ripple (p-p) 10 % or less (with power supply polarity protection)	
Current consumption	55 mA or less (at no load)	

Follow the instructions given below when handling the pressure switch.

- \bullet Operating temperature range is 0 to 50 $^{\circ}\text{C}$
- Do not expose the pressure switch to heat radiation from a heat source located nearby. It can cause malfunction.
- Do not expose the pressure switch/connector/cable to vibration and impact. Otherwise it can cause damage or malfunction.
- Protect the product from direct sunlight or UV light using a suitable protective cover.
- Do not disconnect the M12 connector while energized.
- Use only an ATEX approved M12 connector.
- For cleaning this product, use a clean and damp cloth, to prevent the buildup of an electrostatic charge.
- Ground properly to prevent the buildup of an electrostatic charge.

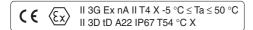
All other specifications are the same as the standard products Series ISE70. For details, refer to **the WEB catalog** or Best Pneumatics No. 6.



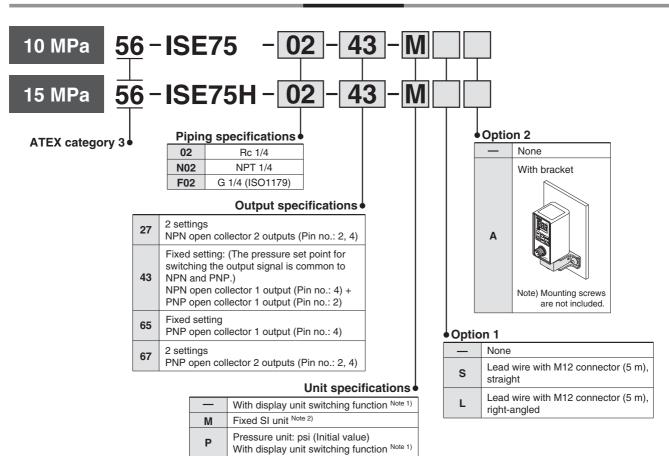


ATEX Compliant

Digital Pressure Switch for General Fluids Series 56-ISE75/75H



How to Order



Note 1) Under the New Measurement Law, sales of switches with the unit switching function are not allowed for use in Japan. (Initial value: MPa)
Note 2) Fixed unit: Mpa

Specifications

Model	56-ISE75	56-ISE75H	
Rated pressure range	0 to 10 MPa	0 to 15 MPa	
Pressure display range/Set pressure range	0.4 to 10 MPa	0.5 to 15 MPa	
Withstand pressure	30 MPa	45 MPa	
Pressure display resolution/Minimum unit setting	0.1 MPa		
Applicable fluid	Fluid or gas that will not corrode SUS304, SUS430 and SUS630		
Power supply voltage	12 to 24 VDC \pm 10 %, Ripple (p-p) 10 % or less (with power supply polarity protection)		
Current consumption	55 mA or less (at no load)		

Follow the instructions given below when handling the pressure switch.

- Operating temperature range is 5 to 50 °C
- Do not expose the pressure switch to heat radiation from a heat source located nearby. It can cause malfunction.
- Do not expose the pressure switch/connector/cable to vibration and impact. Otherwise it can cause damage or malfunction.
- Protect the product from direct sunlight or UV light using a suitable protective cover.
- Do not disconnect the M12 connector while energized.
- Use only an ATEX approved M12 connector.
- For cleaning this product, use a clean and damp cloth, to prevent the buildup of an electrostatic charge.
- Ground properly to prevent the buildup of an electrostatic charge.

All other specifications are the same as the standard products Series ISE75/ISE75H. For details, refer to **the WEB catalog** or Best Pneumatics No. 6.







Pressure Switch: Reed Switch Type Series 56-IS10





For details about certified products conforming to international standards, visit us at www.smcworld.com.

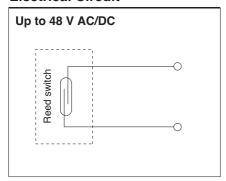
Long service life: 5 million cycles



Specifications

Model	56-IS10-01	
Fluid	Air	
Proof pressure	1.0 MPa	
Max. operating pressure	0.7 MPa	
Regulating pressure range (at OFF point)	0.1 to 0.4 / 0.1 to 0.6 MPa (semi-standard)	
Hysteresis	0.08 MPa or less	
Error of scale	± 0.05 MPa or less	
Repeatability	± 0.05 MPa or less	
Contacts	1a	
Wiring specifications	Grommet, Lead wire length 0.5 m (Standard), Option: 3 m, 5 m	
Enclosure	Equivalent to IP40	
Ambient and fluid temperature	−5 to 60 °C (No freezing)	
Port size	R 1/8	
Weight	62 g	

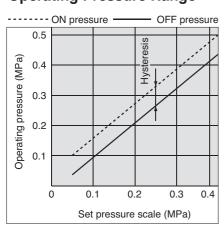
Electrical Circuit



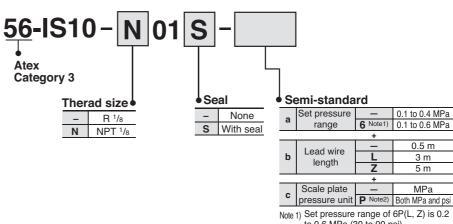
Switch Characteristics

Max. contact capacity	AC 2 VA, 2 W DC		
Voltage	≤ 24 VAC/DC or less	48 VAC/DC	
Max. operating current	50 mA	40 mA	

Operating Pressure Range



How to Order



to 0.6 MPa (30 to 90 psi).

Note 2) This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)