

**ATEX Compliant**

# Digital Pressure Switch for Air Series 56-ISE70

II 3G Ex nA IIC T5 Gc 0°C ≤ Ta ≤ 50°C  
 II 3D Ex tC IIIC T53°C Dc IP67

## How to Order

**1MPa** **56-ISE70-02-43-M**

ATEX category 3

**Piping specifications**

<b>02</b>	Rc1/4
<b>N02</b>	NPT1/4
<b>F02</b>	G1/4 (ISO1179)

**Output specifications**

<b>27</b>	2 settings NPN open collector 2 outputs (Pin no.: 2, 4)
<b>43</b>	Fixed setting: (The pressure set point for switching the output signal is common to NPN and PNP.) NPN open collector 1 output (Pin no.: 4) + PNP open collector 1 output (Pin no.: 2)
<b>65</b>	Fixed setting PNP open collector 1 output (Pin no.: 4)
<b>67</b>	2 settings PNP open collector 2 outputs (Pin no.: 2, 4)

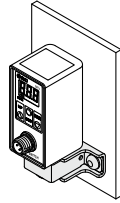
**Unit specifications**

<b>Nil</b>	With display unit switching function <sup>Note 1)</sup>
<b>M</b>	Fixed SI unit <sup>Note 2)</sup>
<b>P</b>	Pressure unit: psi (Initial value) With display unit switching function <sup>Note 1)</sup>

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

**Option 2**

<b>Nil</b>	None
<b>A</b>	With bracket  Note) Mounting screws are not included.

**Option 1**

<b>Nil</b>	None
<b>S</b>	Lead wire with M12 connector (5 m), straight
<b>L</b>	Lead wire with M12 connector (5 m), right-angled

## Specifications

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

Follow the instructions given below when handling the pressure switch.

- Operating temperature range is 0 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 ISE70.  
[Click here](#) for details.

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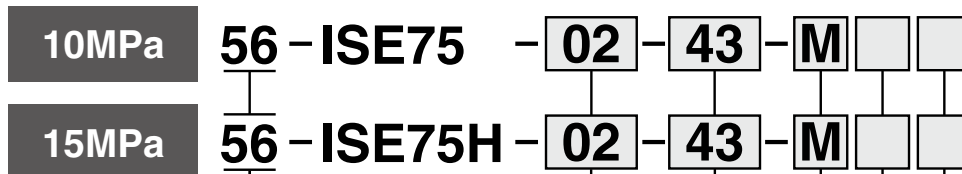


# Digital Pressure Switch for General Fluids

## Series 56-ISE75/75H

CE Ex II 3G Ex nA IIC T4 Gc -5°C ≤ Ta ≤ 50°C  
II 3D Ex tC IIIC T54°C Dc IP67

### How to Order



ATEX category 3

**Piping specifications**

<b>02</b>	Rc1/4
<b>N02</b>	NPT1/4
<b>F02</b>	G1/4 (ISO1179)

**Output specifications**

<b>27</b>	2 settings NPN open collector 2 outputs (Pin no.: 2, 4)
<b>43</b>	Fixed setting: (The pressure set point for switching the output signal is common to NPN and PNP.) NPN open collector 1 output (Pin no.: 4) + PNP open collector 1 output (Pin no.: 2)
<b>65</b>	Fixed setting PNP open collector 1 output (Pin no.: 4)
<b>67</b>	2 settings PNP open collector 2 outputs (Pin no.: 2, 4)

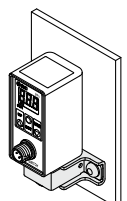
**Unit specifications**

<b>Nil</b>	With display unit switching function <sup>Note 1)</sup>
<b>M</b>	Fixed SI unit <sup>Note 2)</sup>
<b>P</b>	Pressure unit: psi (Initial value) With display unit switching function <sup>Note 1)</sup>

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

**Option 2**

<b>Nil</b>	None
<b>A</b>	With bracket  Note) Mounting screws are not included.

**Option 1**

<b>Nil</b>	None
<b>S</b>	Lead wire with M12 connector (5 m), straight
<b>L</b>	Lead wire with M12 connector (5 m), right-angled

### Specifications

Model	56-ISE75	56-ISE75H
<b>Rated pressure range</b>	0 to 10 MPa	0 to 15 MPa
<b>Pressure display range/Set pressure range</b>	0.4 to 10 MPa	0.5 to 15 MPa
<b>Withstand pressure</b>	30 MPa	45 MPa
<b>Pressure display resolution/Minimum unit setting</b>	0.1 MPa	
<b>Applicable fluid</b>	Fluid or gas that will not corrode SUS304, SUS430 and SUS630	
<b>Power supply voltage</b>	12 to 24 VDC±10%, Ripple (p-p) 10% or less (with power supply polarity protection)	
<b>Current consumption</b>	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.  
[Click here](#) for details.