

ATEX Compliant

Digital Pressure Switch for Air

Series 56-ISE70



II 3G Ex ec 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

| | |
|------------|----------------|
| 02 | Rc1/4 |
| N02 | NPT1/4 |
| F02 | G1/4 (ISO1179) |

Output specifications

| | |
|-----------|---|
| 27 | 2 settings NPN open collector 2 outputs (Pin no.: 2, 4) |
| 43 | 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) |
| 65 | Fixed setting PNP open collector 1 output (Pin no.: 4) |
| 67 | 2 settings PNP open collector 2 outputs (Pin no.: 2, 4) |

Unit specifications

| | |
|------------|---|
| Nil | With display unit switching function ^{Note 1)} |
| M | Fixed SI unit ^{Note 2)} |
| P | Pressure unit: psi (Initial value) With display unit switching function ^{Note 1)} |

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

| | |
|------------|---|
| Nil | None |
| A | With bracket Note) Mounting screws are not included. |

Option 1

| | |
|------------|--|
| Nil | None |
| S | Lead wire with M12 connector (5 m), straight |
| L | Lead wire with M12 connector (5 m), right-angled |

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±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 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.

ATEX Compliant

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

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

How to Order

10MPa 56 - ISE75 - 02 - 43 - M
15MPa 56 - ISE75H - 02 - 43 - M

ATEX category 3

Piping specifications

| | |
|-----|----------------|
| 02 | Rc1/4 |
| N02 | NPT1/4 |
| F02 | G1/4 (ISO1179) |

Output specifications

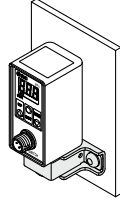
| | |
|----|---|
| 27 | 2 settings NPN open collector 2 outputs (Pin no.: 2, 4) |
| 43 | Fixed setting: (The pressure set point for switching the output signal is common to NPN and PNP.) NPN open collector 1 output (Pin no.: 4) + PNP open collector 1 output (Pin no.: 2) |
| 65 | Fixed setting PNP open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

Unit specifications

| | |
|-----|---|
| Nil | With display unit switching function ^{Note 1)} |
| M | Fixed SI unit ^{Note 2)} |
| P | Pressure unit: psi (Initial value) With display unit switching function ^{Note 1)} |

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

| | |
|-----|---|
| Nil | None |
| A | With bracket  Note) Mounting screws are not included. |

Option 1

| | |
|-----|--|
| Nil | None |
| S | Lead wire with M12 connector (5 m), straight |
| L | Lead wire with M12 connector (5 m), right-angled |

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±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.
[Click here](#) for details.