

## IFM Pressure switch with intuitive switch point setting PK6524 PK-010-RFG14-HCPKG/US/ /W

### Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Certification: CE
- Model Number: PK6524
- Minimum Order Quantity: 1
- Price: USD
- Packaging Details: 15,10 x 15,40 x 4,60
- Delivery Time: 10-12Days
- Payment Terms: L/C, T/T
- Supply Ability: 100



### Product Specification

- Connection Type: M12 Connector, Cable
- Housing Material: Stainless Steel
- Electrical Connection: 2-wire, 3-wire, 4-wire
- Output Signal: 4-20mA, 0-10V, 0-5V, Pt100, Pt1000, Ni1000, Ni1000TK5000
- Accuracy:  $\pm 0.2^{\circ}\text{C}$
- Protection Rating: IP67
- Measurement Range:  $-50^{\circ}\text{C}$  To  $150^{\circ}\text{C}$
- Special Features: High Vibration Resistance, High EMC Protection
- Response Time:  $\leq 5\text{ Ms}$
- Storage Temperature:  $-40^{\circ}\text{C}$  To  $85^{\circ}\text{C}$
- Mounting Type: Threaded, Flange, Clamp, Weld-in
- Certifications: CE, UL, CSA, RoHS
- Supply Voltage: 10-30V DC
- Operating Temperature:  $-50^{\circ}\text{C}$  To  $150^{\circ}\text{C}$



### More Images



## Product Description

IFM Pressure switch with intuitive switch point setting PK6524 PK-010-RFG14-HCPKG/US/ /W

Okay, let's take a look at the IFM Pressure Switch with Intuitive Switch Point Setting PK6524 PK-010-RFG14-HCPKG/US/ /W:

1. Product Name:

- IFM Pressure Switch with Intuitive Switch Point Setting

2. Model Number:

- PK6524 PK-010-RFG14-HCPKG/US/ /W

3. Description:

- This is a pressure switch from IFM Electronics that features an intuitive dial-based switch point setting mechanism.

- It is designed for monitoring and controlling pressure in various industrial applications.

4. Key Features:

- Measurement range of 0 to 10 bar (0 to 145 PSI)

- Accuracy of  $\pm 1\%$  of full scale

- Intuitive dial-based switch point setting

- Rugged, IP67-rated housing for industrial environments

- Two programmable switching outputs

- Compact design for easy installation

5. Applications:

- The IFM Pressure Switch PK6524 is suitable for a wide range of industrial applications, including:

- Pneumatic systems

- Hydraulic systems

- Compressors

- Pumps

- Process control

6. Connectivity:

- The pressure switch features a 4-wire, M12 connector for electrical connection.

- It can be easily integrated into various industrial control systems and PLC (Programmable Logic Controller) environments.

7. Capabilities:

- Pressure measurement range of 0 to 10 bar (0 to 145 PSI)

- Intuitive dial-based switch point setting for easy configuration

- Two programmable switching outputs

- Adjustable hysteresis for precise control

- Analog output signal (4-20 mA or 0-10 V)

8. Compatibility:

- The PK6524 PK-010-RFG14-HCPKG/US/ /W pressure switch is designed to be compatible with a wide range of industrial automation systems and control equipment.

- It can be easily integrated into various industrial control networks and architectures.

The key feature of this pressure switch is the intuitive dial-based switch point setting mechanism. This allows for quick and easy configuration of the switching points, making it a user-friendly solution for pressure monitoring and control applications.

The two programmable switching outputs, adjustable hysteresis, and analog output signal provide flexibility in integrating the pressure switch into control systems and automating pressure-related tasks.

The rugged, IP67-rated housing ensures the pressure switch can withstand the demanding environments often found in industrial settings.

Overall, the IFM Pressure Switch with Intuitive Switch Point Setting PK6524 PK-010-RFG14-HCPKG/US/ /W is a versatile and user-friendly solution for pressure monitoring and control in a variety of industrial applications.

Please let me know if you have any other questions!

Product characteristics

|                              |                              |
|------------------------------|------------------------------|
| Number of inputs and outputs |                              |
|                              | Number of digital outputs: 2 |
|                              |                              |

|                         |  |             |
|-------------------------|--|-------------|
| Measuring range         |  |             |
|                         | 0...10 bar   | 0...145 psi |
|                         |  |             |
|                         |  |             |
| Process connection      |  |             |
|                         | threaded connection G 1/4 external thread internal thread:M5 |             |
| Application             |  |             |
| Application             |  |             |
|                         | for industrial applications                                  |             |
| Media                   | liquids and gases  |             |
| Medium temperature [°C] |  |             |
|                         | -25...80   |             |
| Min. bursting pressure  |  |             |
|                         | 300 bar  | 4350 psi    |
|                         |  |             |

|   |                   |         |
|---|-------------------|---------|
| P<br>r<br>e<br>s<br>s<br>u<br>r<br>e<br>r<br>a<br>t<br>i<br>n<br>g  |                   |         |
|   | 25 bar            | 362 psi |
| T<br>y<br>p<br>e<br>o<br>f<br>p<br>r<br>e<br>s<br>s<br>u<br>r<br>e  | relative pressure |         |
|   |                   |         |
| M<br>A<br>W<br>P<br>(f<br>o<br>r<br>a<br>p<br>p<br>l<br>i<br>c<br>a<br>t<br>i<br>o<br>n<br>s<br>a<br>c<br>c<br>o<br>r<br>d<br>i<br>n<br>g<br>t<br>o<br>C<br>R<br>N<br>) |                   |         |
|   | 25 bar            | 362 psi |
|   |                   |         |

#### Electrical data

|  |                 |
|--|-----------------|
| <b>Operating voltage [V]</b>           | 9.6...32 DC     |
| <b>Current consumption [mA]</b>        | < 25            |
| <b>Min. insulation resistance [MΩ]</b> | 100; (500 V DC) |
| <b>Protection class</b>                | III             |
| <b>Reverse polarity protection</b>     | yes             |

#### Inputs / outputs

|                                     |                              |
|-------------------------------------|------------------------------|
| <b>Number of inputs and outputs</b> | Number of digital outputs: 2 |
|-------------------------------------|------------------------------|

#### Outputs

|   |                  |
|---|------------------|
| <b>Total number of outputs</b>                              | 2                |
| <b>Output signal</b>  | switching signal |
| <b>Electrical design</b>                                    | PNP              |
| <b>Number of digital outputs</b>                            | 2                |
| <b>Output function</b>                                      | complementary    |
| <b>Max. voltage drop switching output DC [V]</b>            | 2                |
| <b>Permanent current rating of switching output DC [mA]</b> | 500              |
| <b>Switching frequency DC [Hz]</b>                          | 100              |
| <b>Short-circuit protection</b>                             | yes              |
| <b>Type of short-circuit protection</b>                     | pulsed           |
| <b>Overload protection</b>                                  | yes              |

#### Measuring/setting range

|  |  |
|--|--|
|  |  |
|--|--|

|  |               |               |
|--|---------------|---------------|
| M<br>e<br>a<br>s<br>u<br>r<br>i<br>n<br>g<br>r<br>a<br>n<br>g<br>e<br><br>S<br>e<br>t<br>p<br>o<br>i<br>n<br>t<br>S<br>P<br><br>R<br>e<br>s<br>e<br>t<br>p<br>o<br>i<br>n<br>t<br>r<br>p |               |               |
|  | 0...10 bar    | 0...145 psi   |
|  |               |               |
|  |               |               |
|  | 0.5...10 bar  | 7.5...145 psi |
|  |               |               |
|  |               |               |
|  | 0.3...9.8 bar |               |
|  |               |               |
|  |               |               |





