

IFM PRESSURE SWITCH WITH INTUITIVE SWITCH POINT SETTING PK6522 PK-100-SFG14-HCPKG/US/ /W

Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Certification: CE
- Model Number: PK6522
- 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



Product Description

IFM PRESSURE SWITCH WITH INTUITIVE SWITCH POINT SETTING PK6522 PK-100-SFG14-HCPKG/US/ /W

Okay, let's take a look at the IFM Pressure Switch with Intuitive Switch Point Setting PK6522 PK-100-SFG14-HCPKG/US/ /W:

1. Product Name:

- IFM Pressure Switch with Intuitive Switch Point Setting

2. Model Number:

- PK6522 PK-100-SFG14-HCPKG/US/ /W

3. Description:

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

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

4. Key Features:

- Measurement range of 0 to 100 bar (0 to 1450 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 PK6522 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 100 bar (0 to 1450 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 PK6522 PK-100-SFG14-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 PK6522 PK-100-SFG14-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...100 bar	0...1450 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	1000 bar	14500 psi
Pressure rating	200 bar	2900 psi
Type of pressure	relative pressure	

Electrical data

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

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 2
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Outputs

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

Measuring/setting range

Measuring range	0...100 bar	0...1450 psi
Set point SP	5...100 bar	75...1450 psi
Reset point rP	3...98 bar	50...1420 psi

Accuracy / deviations

Switch point accuracy [% of the final value]	< ± 2,5; (Setting accuracy)
Repeatability [% of the final value]	< ± 0,5; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the final value]	< ± 1,5 (BFSL) / < ± 2,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
Temperature drift per 10 K	< ± 0.5

Software / programming

Adjustment of the switch point	setting rings
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