# PK5522 IFM Pressure Sensors With Intuitive Switch Point Setting PK-100-SFG14-PSPKG/US/ /W

Our Product Introduction

## Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Certification: CE
- Model Number: PK5522
- 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

- Supply Voltage: 10 To 30 VDC
- Protection Rating: IP67
- Measurement Range: -50 To 150°C
- Dimensions: M12 X 1
- Housing Material: Stainless Steel
- Output: Analog
- Accuracy: ±0.5°C
- Weight: 50 G
- Type: Temperature Sensor
- Operating Temperature Range: -25 To 85°C
- Connection Type: M12 Connector
- Mounting Type: Threaded
- Response Time: ≤ 10 Ms
- Highlight: **PK5522 IFM Pressure Sensors**,

## Product Description

IFM Pressure switch with intuitive switch point setting PK5522 PK-100-SFG14-PSPKG/US/ /W
The IFM PK5522 PK-100-SFG14-PSPKG/US/W is a pressure switch with an intuitive switch point setting. Here's some information about the pressure switch:
1. Model: PK5522 PK-100-SFG14-PSPKG/US/W
2. Manufacturer: IFM Electronic GmbH
3. Function: The pressure switch is designed to monitor and control pressure levels in various industrial applications. It provides an output signal or actuates a switch when the pressure reaches a specific set point, allowing for control or alarm functions.
4. Pressure Range: The specific pressure range of the switch depends on the model variant. The "PK-100" in the model number suggests a pressure range of up to 100 bar. However, it's recommended to refer to the product documentation or datasheet for the exact pressure range of this particular model.
5. Intuitive Switch Point Setting: The pressure switch is equipped with an intuitive switch point setting feature. This means that it likely offers an easy and user-friendly method for adjusting the switch point or set point without requiring complex programming or tools.
6. Electrical Connection: The switch supports a specific electrical connection type, indicated by the "/US/W" in the model name. The "/US" may represent the connector or electrical connection type compatible with the US market, while the "/W" could indicate additional details regarding the wiring or connector type. You should consult the product documentation or datasheet for precise information.
7. Housing Type: The switch is likely housed in a rugged and durable enclosure suitable for industrial environments. The "SFG14" in the model name may provide information about the specific housing type or design, but without further details, it is difficult to determine the exact characteristics of the housing.
For detailed specifications, installation guidelines, and compatibility information for the IFM PK5522 PK-100-SFG14-PSPKG/US/W pressure switch, it is recommended to consult the official documentation provided by IFM Electronic GmbH or contact their technical support. They will be able to provide you with accurate and up-to-date information based on your specific requirements and the latest product information available.

Product characteristics

| | |
|---|---|
| **Number of inputs and outputs** | Number of digital outputs: 1 |
| **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 rerating** | 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: 1 |

Outputs

| | |
|---|---|
| **Total number of outputs** | 1 |
| **Output signal** | switching signal |
| **Electrical design** | PNP |
| **Number of digital outputs** | 1 |
| **Output function** | normally open |
| **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** | 3...100 bar | 44...1450 psi |
| **Hysteresis** | 2 bar | 29 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 |

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