

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

Basic Information

. Place of Origin: Germany . Brand Name: IFM CE · Certification: PK5522 Model Number: • Minimum Order Quantity: 1 • Price: USD

15,10 x 15,40 x 4,60 · Packaging Details:

• Delivery Time: 10-12Days Payment Terms: L/C, T/T 100 . Supply Ability:



Product Specification

. Supply Voltage: 10 To 30 VDC

Protection Rating: IP67

-50 To 150°C Measurement Range: M12 X 1 Dimensions: . Housing Material: Stainless Steel Analog • Output:

±0.5°C Accuracy: . Weight: 50 G

Temperature Sensor • Type:

• Operating Temperature

-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

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Min. insulation resistance [MΩ]	100; (500 V DC)
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Inputs / outputs			
Number of inputs and	Number of digital outputs: 1		
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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	2		
output DC [V] Permanent current rating of			
switching output DC [mA]	500		
Switching frequency DC [Hz]	100		
Short-circuit protection	yes		
Type of short-circuit	pulsed		
protection			
Overload protection	yes		
Measuring/setting range			
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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 [%	< ± 1,5 (BFSL) / < ± 2,5 (LS); (BFSL = Best Fit Straight		
of the final value]	Line; LS = limit value setting)		
Temperature drift per 10 K Product characteristics	< ± 0.5		
Product characteristics			

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Ci	urrent consumption [mA]	< 25		
	in. insulation resistance			
	ΙΩ]	100; (500 V DC)		
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		switching signal		
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	umber of digital outputs	1		
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	vitching frequency DC [Hz]	100		
	nort-circuit protection	yes		
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		yes		
Me	easuring/setting range			

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3100 bar	441450 psi
2 bar	29 psi
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Electrical data	
Operating voltage [V] Current consumption [mA]	9.632 DC < 25
Min. insulation resistance	
[ΜΩ]	100; (500 V DC)
Protection class Reverse polarity protection	III yes
Inputs / outputs	yes
Number of inputs and	Number of digital outputs: 1
Outputs	
Outputs Total number of outputs	1
Output signal	switching signal
Electrical design	PNP
Number of digital outputs Output function	normally open
Max. voltage drop switching	2
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
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Overload protection	yes
Overload protection Measuring/setting range	yes
Overload protection Measuring/setting range	yes
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Characteristics deviation [%	< ± 1,5 (BFSL) / < ± 2,5 (LS); (BFSL = Best Fit Straight
of the final value]	Line; LS = limit value setting)
Temperature drift per 10 K	< ± 0.5





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