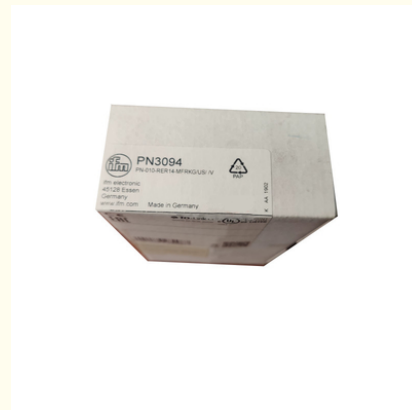


IFM Pressure sensor with display PN3094 PN-010-RER14-MFRKG/US/ /V

Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Certification: CE
- Model Number: PN3094
- 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

- Model: IFM Temperature Sensors
- Response Time: ≤ 10 Ms
- Output: Analog Or Digital
- Operating Temperature Range: -25 To 85°C
- Mounting Type: Threaded
- Cable Length: 2 M
- Measurement Range: -50 To 150°C
- Protection Rating: IP67
- Special Features: High Accuracy And Fast Response Time
- Sensor Type: Pt100
- Accuracy: $\pm 0.2^{\circ}\text{C}$
- Connection Type: M12 Connector
- Supply Voltage: 10 To 30 VDC
- Product Type: Temperature Sensors



Product Description

IFM Pressure sensor with display PN3094 PN-010-RER14-MFRKG/US/ /V

Okay, let's take a closer look at the IFM Pressure Sensor with Display PN3094 PN-010-RER14-MFRKG/US/ /V:

1. Product Name:

- IFM Pressure Sensor with Display

2. Model Number:

- PN3094 PN-010-RER14-MFRKG/US/ /V

3. Description:

- This is a pressure sensor from IFM Electronics that features an integrated digital display.

- It is designed for monitoring and measuring 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

- Integrated 4-digit LED display with 7-segment digits

- Adjustable switching points and hysteresis

- Rugged, IP67-rated housing for industrial environments

5. Applications:

- This pressure sensor is suitable for a variety of industrial applications, including:

- Pneumatic systems

- Hydraulic systems

- Compressors

- Pumps

- Process control

6. Connectivity:

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

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

7. Capabilities:

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

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

- Two programmable switching outputs

- Ability to set switching points and hysteresis

8. Compatibility:

- The PN3094 PN-010-RER14-MFRKG/US/ /V pressure sensor 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 features of this pressure sensor are the integrated digital display, the wide measurement range, and the IP67-rated housing. These make it suitable for use in demanding industrial environments where clear pressure readout and reliable performance are required.

The two programmable switching outputs and the analog output signal provide flexibility in integrating the sensor into control systems and automating pressure monitoring and control tasks.

Overall, the IFM Pressure Sensor with Display PN3094 PN-010-RER14-MFRKG/US/ /V is a versatile and robust solution for pressure measurement and monitoring 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: 1; Number of analogue outputs: 1

Measuring range			
	-1...10 bar	-14.5...145 psi	-0.1...1 MPa
Process connection			
	threaded connection G 1/4 internal thread M6 I		
Application			
Special feature			
	Gold-plated contacts		
Measuring element			
	ceramic-capacitive pressure measuring cell		
Media			
	liquids and gases		
Medium temperature [°C]			
	-25...80		

Min. bursting pressure			
	150 bar	2175 psi	15 MPa
Pressurizing pressure			
	75 bar	1087 psi	7.5 MPa
Vacuum resistance [mbar]	-1000		
Type of pressure	relative pressure; vacuum		

Electrical data

Operating voltage [V]	18...30 DC; (to SELV/PELV)
Current consumption [mA]	< 35
Min. insulation resistance [MΩ]	100; (500 V DC)
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	< 0.3
Integrated watchdog	yes

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 1; Number of analogue outputs: 1
-------------------------------------	---

Outputs

Total number of outputs	2
Output signal	switching signal; analogue signal; IO-Link; (configurable)
Electrical design	PNP

Number of digital outputs	1
Output function	normally open / normally closed; (parameterisable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	150; (200 (...60 °C) 250 (...40 °C))
Switching frequency DC [Hz]	< 170
Number of analogue outputs	1
Analogue current output [mA]	4...20; (0 bar = 4 mA; 10 bar = 20 mA)
Max. load [Ω]	500
Analogue voltage output [V]	0...10; (0 bar = 0 V; 10 bar = 10 V)
Min. load resistance [Ω]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes
Measuring/setting range	



Shenzhen Voboal Industrial Automation Co., Ltd.



+8613760462017



sale@voboal.com



plcsimatic.com

Sienteng Zhongbao Industrial Park, Longdong Community, Baolong Street, Longgang District, Shenzhen