

100 KPa To 1000 KPa Pressure IFM Sensor For Pneumatics PQ3834 PQ-010-KHR18-KFPKG AS

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Model Number: PQ3834
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



Product Specification

- Manufacturer: IFM
- Product No: PQ3834
- Short-circuit Protection: Yes
- Electrical Design: PNP
- Highlight: 100 kPa IFM Sensor, 1000 kPa IFM Sensor, PQ3834



More Images



Product Description

IFM Pressure sensor for pneumatics PQ3834 PQ-010-KHR18-KFPKG/AS/

Reliable monitoring of the system pressure in pneumatics and in compressed air systems

Very high overpressure and vacuum resistance

Clearly visible slanted LED display

Red/green display for clear identification of the acceptable range

With programmable switching output and analog output

Number of inputs and outputs

Measuring range

Process connection

Application

System

Application

Conditionally suitable for

Medium temperature[°C]

Min. bursting pressure

Note on min. burst pressure

Pressure rating

Vacuum resistance

Type of pressure

Electrical data

Operating voltage[V]

Current consumption[mA]

Min. insulation resistance[MΩ]

Protection class

Reverse polarity protection

Overvoltage protection

Power-on delay time[s]

Integrated watchdog

Inputs / outputs

Number of inputs and outputs

Outputs

Total number of outputs

Output signal

Electrical design

Number of digital outputs

Output function

Max. voltage drop switching output DC[V]

Permanent current rating of switching output DC[mA]

Switching frequency DC[Hz]

Number of analog outputs

Analog current output[mA]

Max. load[Ω]

Short-circuit protection

Type of short-circuit protection

Measuring/setting range

Measuring range

Set point SP

Reset point rP

In steps of

Accuracy / deviations

Switch point accuracy[% of the span]

Repeatability[% of the span]

Characteristics deviation[% of the span]

Hysteresis deviation[% of the span]

Long-term stability[% of the span]

Temperature coefficient zero point[% of the span / 10 K]

Temperature coefficient span[% of the span / 10 K]

Reaction times

Response time[ms]

Delay time programmable dS, dr[s]

Step response time analog output[ms]

Number of digital outputs: 1; Number of analog outputs: 1

-1...10 bar-15...145 psi-30...296 inHg-100...1000 kPa

threaded connection G 1/8 Internal thread Internal thread:M5

gold-plated contacts

for industrial applications

other media on request

0...60

30 bar435 psi886 inHg3000 kPa

max. overpressure on second pressure connection: 12 bar / 1200 kPa / 174 PSI / 354,4 ir

1,2 MPa

20 bar290 psi591 inHg2000 kPa

-1000 mbar-0.1 MPa

relative pressure; differential pressure; vacuum

18...32 DC; (to SELV/PELV)

< 50

100; (500 V DC)

III

yes

yes; (< 40 V)

0.5

yes

Number of digital outputs: 1; Number of analog outputs: 1

2

switching signal; analog signal; IO-Link; (configurable)

PNP

1

normally open / closed; (configurable)

2

100

< 100

1

4...20

500

yes

yes (non-latching)

-1...10 bar-15...145 psi-30...296 inHg-100...1000 kPa

-0.9...10 bar-13...145 psi-26...296 inHg-90...1000 kPa

-0.95...9.95 bar-14...144 psi-28...294 inHg-95...995 kPa

0.05 bar1 psi2 inHg5 kPa

< ± 0,5

< ± 0,1; (with temperature fluctuations < 10 K)

< ± 0,25 (BFSL) / < ± 0,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)

< ± 0,25

< ± 0,05; (per 6 months)

0,2; (0...60 °C)

0,2; (0...60 °C)

< 6

0; 0,002...5

6



Achievers Automation Limited

13828861501

joanna@achieversautomation.com

achieversinstruments.com

RM 509, 5/F, THE CLOUD, 111, TUNG CHAU STREET, TAI KOKTSUI, KOWLOON, HONG KONG