

IFM Pressure sensor for pneumatics PQ7834 PQ-010-RHR18-QFPKG/AS/

Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Model Number: PQ7834
- 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: PQ7834
- Vacuum Resistance: -1000 Mbar
- Type Of Pressure: Relative Pressure; Vacuum
- Media: Compressed Air



More Images



Product Description

IFM Pressure sensor for pneumatics PQ7834 PQ-010-RHR18-QFPKG/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
Two switching outputs, one of which can be configured as diagnostic output

Product characteristics

Number of inputs and outputs

Measuring range

Process connection

Application

System

Application

Media

Conditionally suitable for

Medium temperature[°C]

Min. bursting 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]

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]

Software / programming

Parameter setting options

Operating conditions

Ambient temperature[°C]

Storage temperature[°C]

Protection

Tests / approvals

EMC

Shock resistance

Vibration resistance

MTTF[years]

Pressure equipment directive

Mechanical data

Weight[g]

Housing

Dimensions[mm]

Material

Materials (wetted parts)

Min. pressure cycles

Process connection

Number of digital outputs: 2

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

threaded connection G 1/8 Internal thread

gold-plated contacts

for industrial applications

compressed air

other media on request

0...60

30 bar435 psi886 inHg3000 kPa

20 bar290 psi591 inHg2000 kPa

-1000 mbar-0.1 MPa

relative pressure; vacuum

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

< 50

100; (500 V DC)

III

yes

yes; (< 40 V)

0.3

yes

Number of digital outputs: 2

2

switching signal

PNP

2

normally open / closed; (configurable)

2

100

< 200

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)

< 2.5

0; 0,002...5

hysteresis / window; normally open / closed; Diagnostic function; switching logic; switch-on/switch-off delay; Damping; Display unit

0...70

-25...85

IP 65

EN 61000-4-2 ESD4 kV CD / 8 kV ADEN 61000-4-3 HF radiated10 V/mEN 61000-4-4 Bu

kVEN 61000-4-5 Surge0,5/1 kVEN 61000-4-6 HF conducted10 V

DIN IEC 68-2-2750 g (11 ms)

DIN IEC 68-2-620 g (10...2000 Hz)

455

sound engineering practice; can be used for group 2 fluids; group 1 fluids on request

84.5

rectangular

42 x 30 x 32

PBT; FKM; polyester

brass; FKM; silicon (coated); PBT

50 million

threaded connection G 1/8 Internal thread



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