

## Pressure transducers



### benefits

- proven ceramic technology
- no mechanical ageing of the measuring cell
- no transmission liquid
- Versions for relative pressure and absolute pressure
- small temperature error

## Application

Electronic pressure measurement in industrial or HVAC applications such as hydraulic, pneumatic, automation, heating or air conditioning.

## Description

Pressure transducers convert physical pressure into an electrical signal proportional to the pressure. DMU 01K is equipped with a piezo-resistive thick-film ceramic measuring cell.

## Technical Specifications

### Measuring range

see ordering table

### Process connection

G $\frac{1}{2}$ B DIN 3852 type E

### material

Housing: Stainless steel 304

pressure connection: Stainless steel 304

diaphragm: ceramic (Al<sub>2</sub>O<sub>3</sub> 96 %)

Seal: FKM (Viton)

### Supply voltage

DC 8 – 32 V

### Output signal

2-wire, 4–20 mA

### Electrical connection

Connector and junction box as per ISO 4400 (DIN 43650-A)

### Degree of protection

IP 65 (EN 60529)

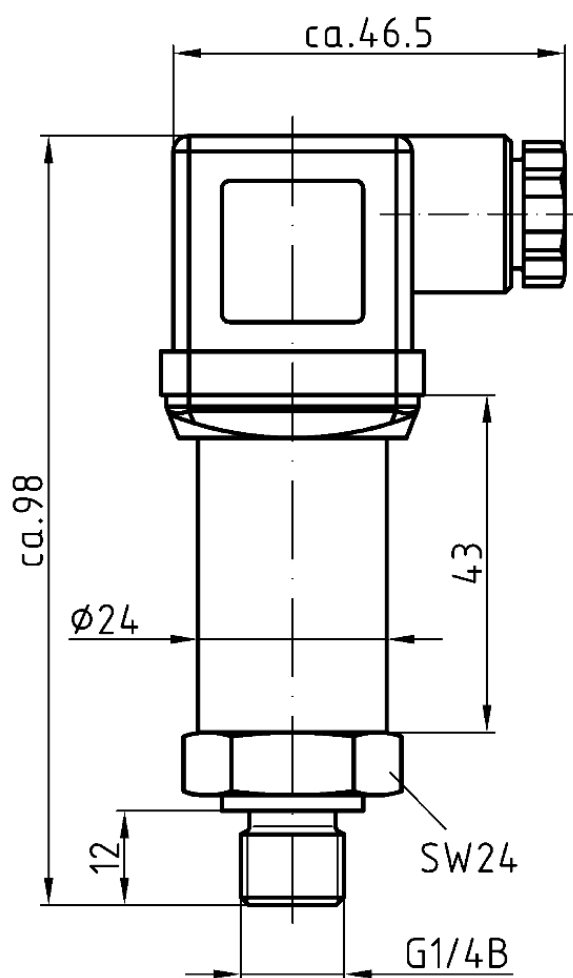
## Options

- other connection threads
- fixed cable connection
- other connectors

- Output signal 0–10 V, 3-wire

## Technical Drawings

DMU 01 K - connection G $\frac{1}{4}$ B EN 837



Dimensions (mm)

## Versions

| Range | Measuring range | Type | Version         |   | Part no. |
|-------|-----------------|------|-----------------|---|----------|
|       | -1/+1.5 bar     |      | Compact version | ● | 31608    |
|       | -1/+3 bar       |      | Compact version | ● | 31609    |
|       | -1/+5 bar       |      | Compact version | ● | 31610    |
|       | 0/1 bar         |      | Compact version | ● | 31511    |
|       | 0/2.5 bar       |      | Compact version | ● | 31512    |
|       | 0/4 bar         |      | Compact version | ● | 31513    |
|       | 0/6 bar         |      | Compact version | ● | 31514    |
|       | 0/10 bar        |      | Compact version | ● | 31515    |
|       | 0/16 bar        |      | Compact version | ● | 31516    |
|       | 0/25 bar        |      | Compact version | ● | 31517    |
|       | 0/40 bar        |      | Compact version | ● | 31518    |
|       | 0/60 bar        |      | Compact version | ● | 31611    |
|       | 0/100 bar       |      | Compact version | ● | 31612    |
|       | 0/160 bar       |      | Compact version | ● | 31613    |
|       | 0/250 bar       |      | Compact version | ● | 31614    |

- in-stock items
- Non-stock items