

## DW044300

### Pressure sensors • Pressure switch Inline

Pressure sensor, Ø16mm 40long, -1-0bar, 9-30V DC, hose OD 4mm, 1x PNP NO, M8 plug connector 4-pin, IP68, plastic PBT/PC, manual setting

/ Push In 4mm



### InLine mounting Adjustable via potentiometer

Pressure sensors are suitable for measuring various media with high accuracy. They are available with switching output and/or analog output. By means of PC software the measured values can be recorded depending on the device type. These sensors are used in all areas, e.g. pneumatic and hydraulic applications.

#### Electrical features

|                               |                            |
|-------------------------------|----------------------------|
| Initial setting               | -1000 hPa                  |
| Number of switching outputs   | 1                          |
| Display                       | LED display                |
| Type of switching function    | Normally open contact (NO) |
| Type of electrical connection | Connector M8               |
| Type of switching output      | PNP                        |
| Rated switching current       | 100 mA                     |
| Setting procedure             | Potentiometer (5 to 100%)  |
| End setting                   | 0 hPa                      |
| Relative hysteresis           | 5 %                        |
| Short-circuit protection      | Yes                        |
| No-load current               | 25 mA                      |
| Measuring range pressure      | -1 - 0 bar                 |
| Measurement method            | Relative                   |
| Number of pins                | 4                          |
| Relative repeat accuracy      | 3 %                        |
| Reverse polarity protection   | Yes                        |
| Operating voltage (DC)        | 9 - 30 V                   |
| Suitable as limiter           | Yes                        |
| Suitable as monitor           | Yes                        |
| Output functions              | Switching point            |
| ardSOCA_ElektrischerAnschluss | M8 4-pin plug connector    |
| ardSOCA_Betriebsspannung      | 9-30VDC                    |

### Mechanical features

|                               |                          |
|-------------------------------|--------------------------|
| Type of process connection    | Hose OD 4mm              |
| Diameter                      | 16 mm                    |
| For liquid media              | No                       |
| Storage temperature           | -20 - 85 °C              |
| Length                        | 40 mm                    |
| Max. operating pressure       | 2 bar                    |
| Degree of protection (IP)     | IP68                     |
| Housing material              | Plastic PBT and PC       |
| Long-term drift per year      | 0.1 %                    |
| Ambient temperature           | -10 - 60 °C              |
| ardSOCA_Abmessungen           | Ø16mm, 40mm long         |
| ardTEME_WerkstoffDerMesszelle | Silicon (piezoresistive) |

### Other features

|                           |                       |
|---------------------------|-----------------------|
| Suitable for              | Neutral gases Air     |
| Reference medium / object | Air                   |
| ardTE00_Anwendungen       | Pneumatik-Anwendungen |

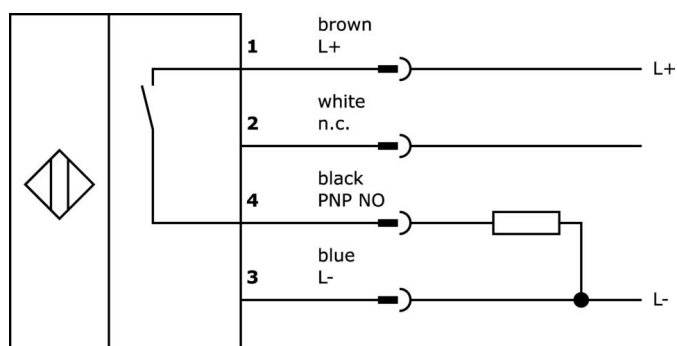
### Classification

|        |                          |
|--------|--------------------------|
| ETIM 8 | EC000243 Pressure switch |
|--------|--------------------------|

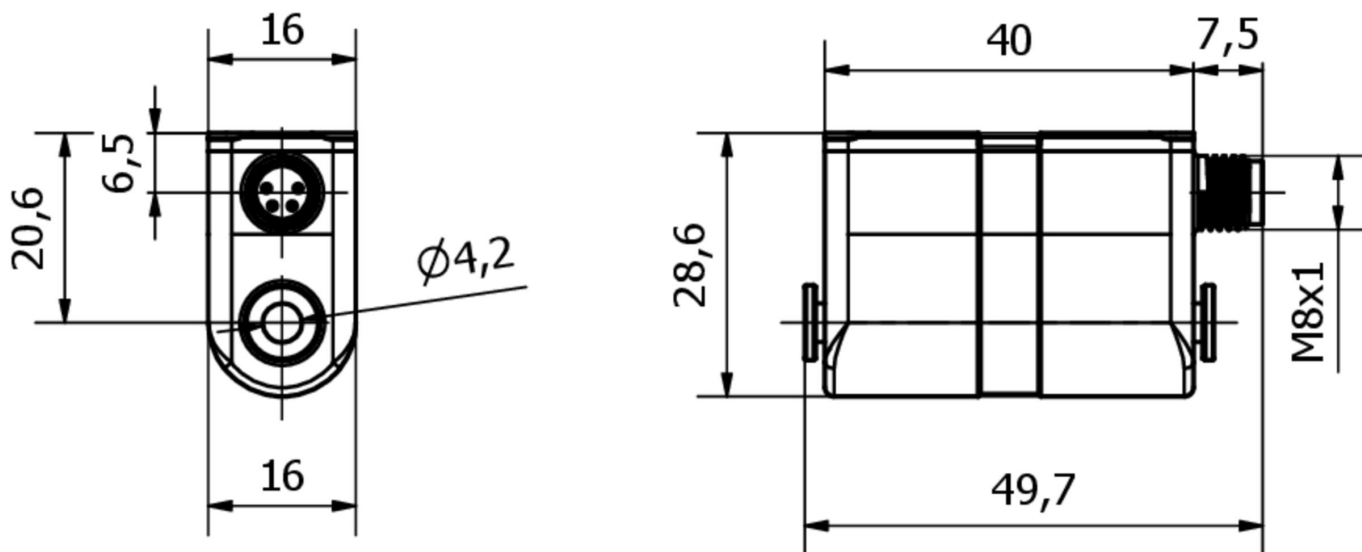
### More

|                       |                                |
|-----------------------|--------------------------------|
| IPF Product Group     | 361 pressure sensors (diverse) |
| packaging dimensions  | 120 x 100 x 17 mm              |
| gross weight          | 25 g                           |
| Customs tariff number | 90262020                       |
| WEEE number           | 40951076                       |
| Reach-compliant       | Yes                            |
| RoHS-compliant        | Yes                            |

### Connection



## Dimensional drawing



## Extract accessories program

### VK030F71



Connection cable, 0.3m, M8 socket 4-pin angular, M8 connector 4-pin straight, 4-core, PUR (polyurethane), suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

### VK030F75



Connection cable, 0.3m, M8 socket 4-pin straight, M8 connector 4-pin straight, 4-core, PUR (polyurethane), suitable for trailing chain and torsion-resistant, oils and cooling lubricants, welding area, silicone-free

### VK030F81



Connection cable, 0.3m, M8 socket 4-pin angular, M12 connector 4-pin straight, 4x0.34mm<sup>2</sup>, PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

### VK030F85



Connection cable, 0.3m, M8 socket 4-pin straight, M12 connector 4-pin straight, 4x0.34mm<sup>2</sup>, PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

### VK000040



Adaption, M8 Female (socket) 4pin Straight, M12 Male (connector) 4pin Straight, 24V, -25-85°C, IP67, Oil and cooling lubricants, Welding area

### VK003071



Cable socket, Angular, Suitable for self-assembly, Soldering connection, Ø3.5-5mm, 4A, 30V, -40-85°C, M8 Female (socket) 4pin, IP67, Brass

### VK003075



Cable socket, Straight, Suitable for self-assembly, Soldering connection, Ø3.5-5mm, 4A, 30V, -40-85°C, M8 Female (socket) 4pin, IP67, Brass

### VK200371



Connection cable, 2m, M8 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.7mm, 30V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

### VK200375



Connection cable, 2m, M8 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.7mm, 30V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

You can find further accessories on our homepage



### Installation

Mounting / installation may only be carried out by a qualified electrician!



### Disposal

WEEE number according to § 6 para. 3  
ElektroG: 40951076

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**Safety warnings**

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.