

## DW04460K

### Pressure sensors • Pressure switch Inline

Pressure sensor, Ø16mm 40long, -1-10bar, 9-30V DC, hose OD 4mm, 2x PNP NO/NC, M8 plug connector 4-pin, IP68, plastic PBT/PC, IO-Link

/ Parameterization via IO-Link



### InLine mounting Push In 4mm

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

#### Electrical features

|                                               |                                                |
|-----------------------------------------------|------------------------------------------------|
| Initial setting                               | -1000 hPa                                      |
| Number of switching outputs                   | 2                                              |
| Display                                       | LED display                                    |
| Type of switching function                    | Normally closed contact/normally open contact  |
| Type of electrical connection                 | Connector M8                                   |
| Type of switching output                      | PNP                                            |
| Rated switching current                       | 250 mA                                         |
| Setting procedure                             | Parameterization via IO-Link                   |
| End setting                                   | 10000 hPa                                      |
| Short-circuit protection                      | Yes                                            |
| No-load current                               | 25 mA                                          |
| Measuring range pressure                      | -1 - 10 bar                                    |
| Measurement method                            | Relative                                       |
| Number of pins                                | 4                                              |
| Relative linearity deviation                  | 0.5 %                                          |
| Relative repeat accuracy                      | 0.2 %                                          |
| Voltage drop                                  | 1.5 V                                          |
| Temperature drift over entire measuring range | 1.5 %                                          |
| Reverse polarity protection                   | Yes                                            |
| Supported communication interface             | IO-Link                                        |
| Operating voltage (DC)                        | 9 - 30 V                                       |
| Suitable as limiter                           | Yes                                            |
| Suitable as monitor                           | Yes                                            |
| Output functions                              | Window function   Switching point   Hysteresis |
| 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       | 15 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 |

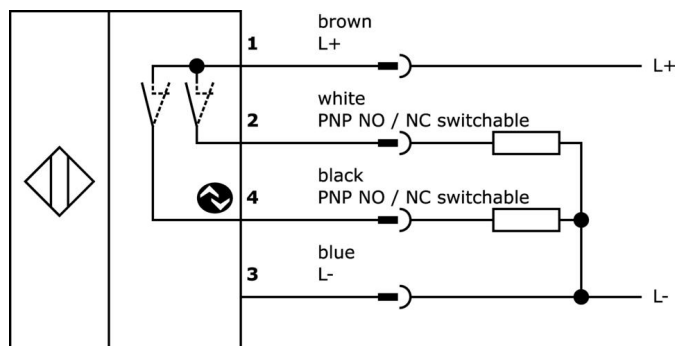
## Classification

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

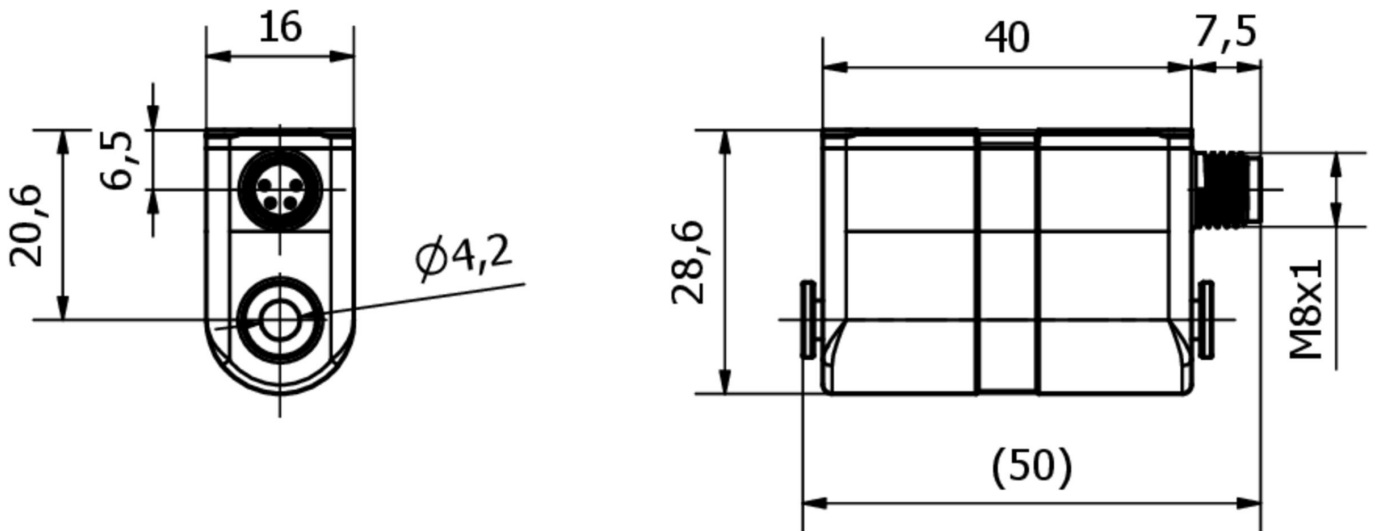
## More

|                       |                                |
|-----------------------|--------------------------------|
| IPF Product Group     | 361 pressure sensors (diverse) |
| packaging dimensions  | 120 x 100 x 17 mm              |
| gross weight          |                                |
| 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.
- / Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)