

## DT98E011

### Pressure sensors • Pressure transmitter

pressure transmitter, Ø29mm 81long, 0-400bar, 8-30V DC, G1/2 inch B, 4-20mA, Valve connector type A 2pin, IP65, V4A



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

#### Electrical features

|   |                        |
|---|------------------------|
| Response/decay time                           | 4ms                    |
| Type of analog output                         | 4 - 20mA               |
| Type of electrical connection                 | Valve connector type A |
| Short-circuit protection                      | Yes                    |
| Measuring range pressure                      | 0 - 400bar             |
| Measurement method                            | Relative               |
| Number of pins                                | 2                      |
| Relative linearity deviation                  | 0.5%                   |
| Relative repeat accuracy                      | 0.1%                   |
| Temperature drift over entire measuring range | 1%                     |
| Reverse polarity protection                   | Yes                    |
| Operating voltage (DC)                        | 8 - 30V                |

#### Mechanical features

|                            |                        |
|----------------------------|------------------------|
| Type of process connection | G1/2 inch B            |
| Design                     | Cylinder plain         |
| Bursting pressure          | 1600bar                |
| Sensor diameter            | 29mm                   |
| For liquid media           | Yes                    |
| Thread length              | 20mm                   |
| Thread pitch               | 1.81mm                 |
| Length                     | 81mm                   |
| Max. operating pressure    | 600bar                 |
| Medium temperature         | 0 - 80°C               |
| Nominal pressure           | 400bar                 |
| Degree of protection (IP)  | IP65                   |
| Housing material           | Stainless steel 1.4404 |
| Sensing element material   | Stainless steel 1.4404 |
| Ambient temperature        | 80°C                   |

**Other features**

|                               |          |
|-------------------------------|----------|
| Measuring display             | Relative |
| For hydraulic applications    | Yes      |
| For pneumatic applications    | Yes      |
| Relative measurement accuracy | 0.3%     |
| Ambient temperature           | 80°C     |

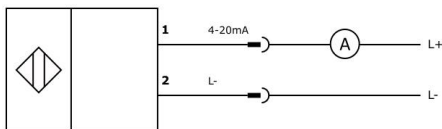
**Classification**

|            |                          |
|------------|--------------------------|
| ETIM 8     | EC000243 Pressure switch |
| eClass 7.0 | 27371814                 |
| eClass 7.1 | 27371814                 |
| eClass 8.0 | 27371814                 |
| eClass 9.0 | 27371814                 |
| eClass 9.1 | 27371814                 |

**More**

|                       |                                |
|-----------------------|--------------------------------|
| IPF Product Group     | 361 pressure sensors (diverse) |
| packaging dimensions  | 160 x 99 x 60 mm               |
| gross weight          | 200 g                          |
| Customs tariff number | 90262020                       |
| WEEE number           | 40951076                       |
| Reach-compliant       | Yes                            |
| RoHS-compliant        | Yes                            |

**Connection**



**Installation**



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

**Disposal**



**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.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).