

## DW98F001

### Pressure sensors • Differential pressure sensors

Pressure sensor, differential, 40x90x88mm, 0-0.4bar, 12-36V DC, G1/4", 4-20mA, ISO4400 connector, IP65, plastic, test report included



The article DW98F001 is a pressure sensor that couples two systems together via a diaphragm and converts the pressure difference into an electrical signal. It enables the mechanical integration of two systems, with one serving as a reference point and the other as the measurement result. The sensor is via a G1/8 inch process connection for connection to external systems. It has a pressure range of 0 to 0.4 bar, which is scaled to a current output of 4 - 20mA.

#### Electrical features

Initial setting	0 - 400 hPa
Type of analog output	4 - 20mA
Type of electrical connection	Valve connector type A
Short-circuit protection	Yes
Measuring range pressure	0 - 0,4 bar
Reverse polarity protection	Yes
Operating voltage (DC)	12 - 36 V
ardSOCA_ElektrischerAnschluss	Valve plug type A
ardSOCA_Betriebsspannung	12-36VDC

#### Mechanical features

Type of process connection	G1/4 inch
Width	40 mm
Height	88 mm
Length	90 mm
Max. operating pressure	1 bar
Medium temperature	0 - 50 °C
Nominal pressure	0.4 bar
Shock resistance	100 g
Degree of protection (IP)	IP65
Housing material	Aluminum
Sensing element material	Stainless steel 1.4435
Seal material at process connection	Plastic (FKM)
Ambient temperature	-25 - 65 °C
ardSOCA_Abmessungen	90x40x88mm
ardTEME_WerkstoffDesProzessanschlusses	Stainless steel 1.4404
ardTEME_WerkstoffDerMesszelle	Stainless steel 1.4435

**Other features**

Features	including test report
Suitable for	Fluid group 2

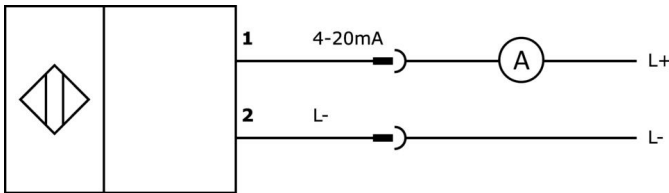
**Classification**

ETIM 8
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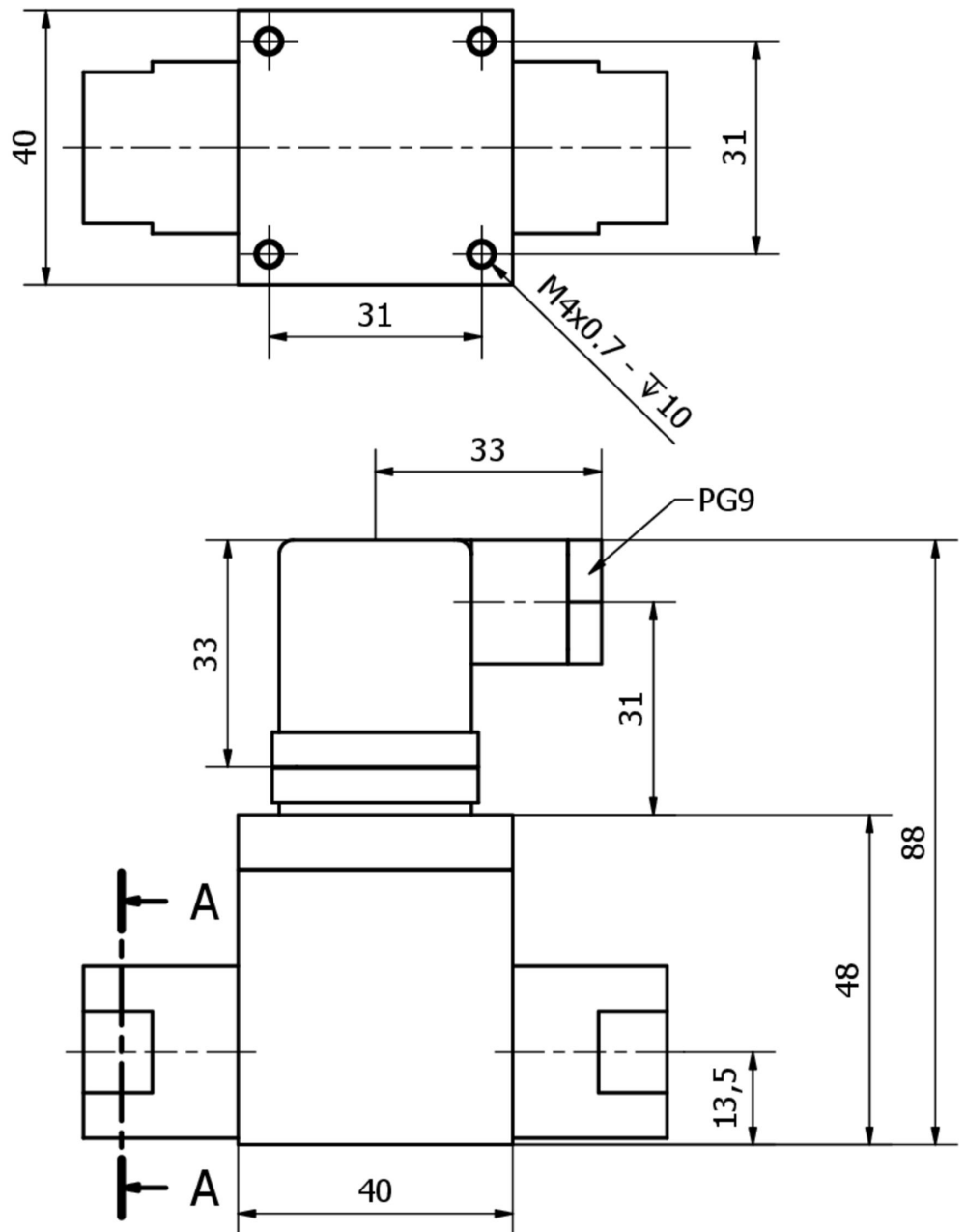
**More**

IPF Product Group	700 special devices
packaging dimensions	194 x 93 x 133 mm
gross weight	495 g
Customs tariff number	90262020
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



**Installation**

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



**Disposal**

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

**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.