

## DT164100

### Pressure sensors • Pressure transmitter

Pressure transmitter, Ø16mm, 45 long, -1-0bar, 9-30V DC, G1/8 "A, 4-20mA, M8 plug connector 4-pin, IP67, stainless steel V2A



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, depending on the device type, the measured values can be recorded. These sensors are used in all areas, e.g. pneumatic and hydraulic applications.

#### Electrical features

Type of analog output	4 - 20mA
Type of electrical connection	Connector M8
Short-circuit protection	Yes
Measuring range pressure	-1 - 0 bar
Measurement method	Relative
Number of pins	4
Relative linearity deviation	0.5 %
Relative repeat accuracy	0.2 %
Temperature drift over entire measuring range	1.5 %
Reverse polarity protection	Yes
Operating voltage (DC)	9 - 30 V
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector
ardSOCA_Betriebsspannung	9-30VDC

#### Mechanical features

Type of process connection	G1/8 inch
Design	Cylinder plain
Diameter	15.5 mm
Storage temperature	-20 - 85 °C
Length	44.5 mm
Max. operating pressure	2 bar
Medium temperature	0 - 80 °C
Wrench size	16 mm
Degree of protection (IP)	IP67
Housing material	Stainless steel 1.4305
Ambient temperature	-10 - 70 °C
ardSOCA_Abmessungen	Ø15.5mm, 44.5mm long
ardTEME_WerkstoffDesProzessanschlusses	Nickel-plated (n-pltd) brass
ardTEME_WerkstoffDerMesszelle	Silicon (piezoresistive)

### Other features

Relative air humidity (non-condensing)	30 - 85 %
Free of LABS	Yes
Reference medium / object	Air
ardTE00_Anwendungen	Pneumatik-Anwendungen

### Classification

ETIM 8	EC000243 Pressure switch
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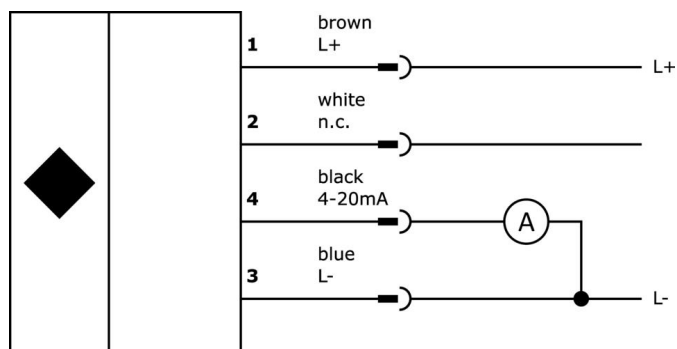
### More

IPF Product Group	361 pressure sensors (diverse)
packaging dimensions	105 x 43 x 43 mm
gross weight	43 g
Customs tariff number	90262020
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes
MTTF value	2176 year(s)

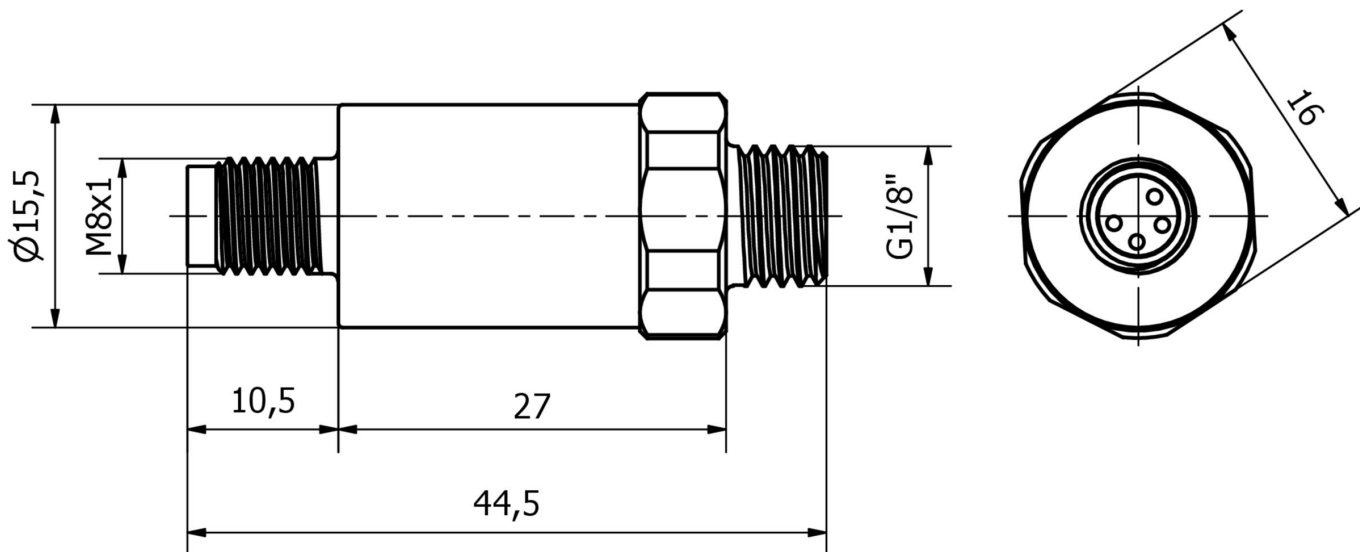
### Important notes

**/** Installation position Any (connection to pressure system with fan facing downwards)

### Connection



## Dimensional drawing



## Extract accessories program

### VK205375



Connection cable, 2m, M8 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø5.5mm, 60V, - 25-90°C, IP67, Shielded, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone..

### VK505371



Connection cable, 5m, M8 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø5.5mm, 60V, - 25-90°C, IP67, Shielded, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone..

### 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

### AD000014



accessories pressure, Quick clip, 30x22x16mm, Holder, Plastic, 90°

### AD000015



accessories pressure, Mounting bracket with adapter flange, 44x16x31mm, Adaption, mounting material and bracket, External thread 1/8" - 4mm, Steel, 90°

### AD000022



Pressure accessories, adapter, G1/8, 15 long, nickel-plated (n-pltd) brass

### AD000021



Pressure accessories, profile seal G1/8", Ø11.9mm 1.0 high, fluorocarbon rubber FKM, green

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.