

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-pltid) 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

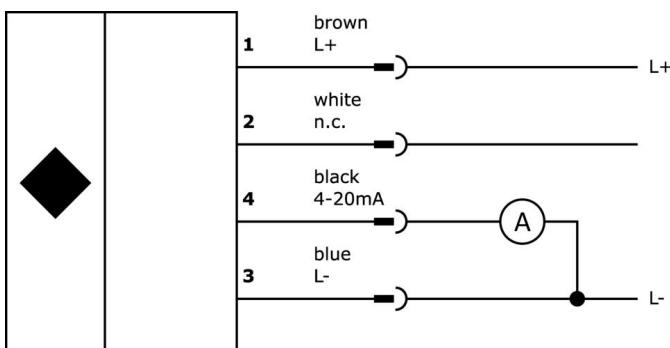
ETIM 8	EC000243 Pressure switch
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More

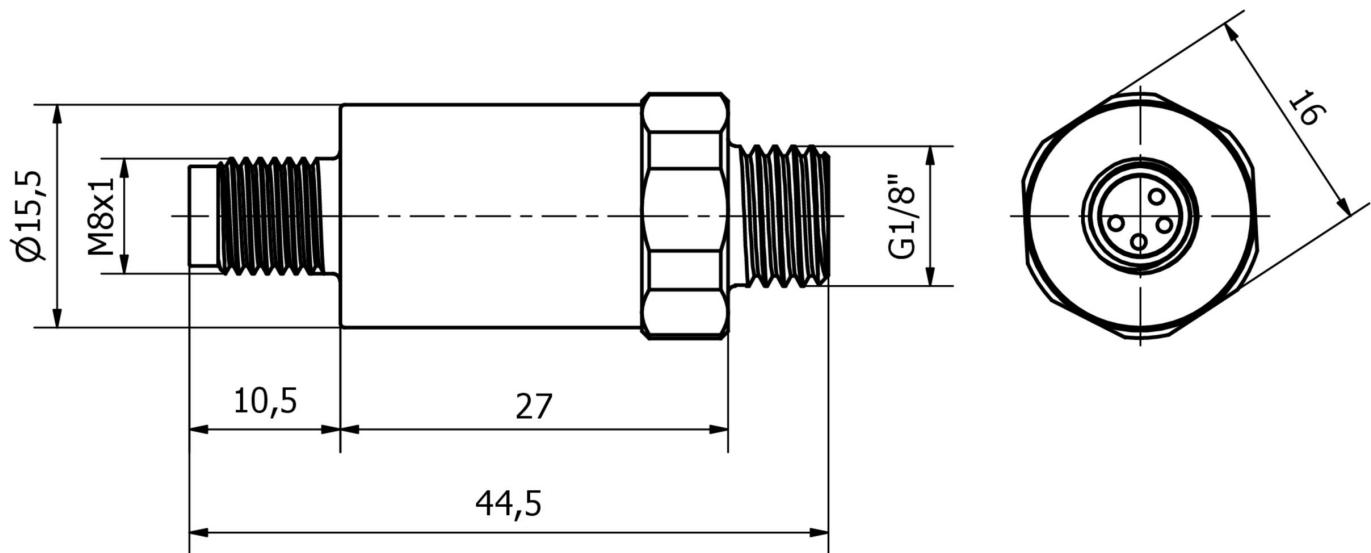
IPF Product Group	361 pressure sensors (diverse)
packaging dimensions	105 x 43 x 43 mm
gross weight	43 g
Customs tariff number	90262020
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes
MTTF value	2176 year(s)

Important notes

I 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, 4x0.34mm², 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, 4x0.34mm², 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

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.