

DT084100

Pressure sensors • Pressure switch Inline

Pressure sensor, Ø16mm 40long, -1-0bar, 9-30V DC, hose OD 8mm, 4-20mA, M8 plug connector 4-pin, IP68, plastic PBT/PC



InLine mounting Push in 8mm

The inline pressure sensors in this series impress with their compact design and innovative push-in process connection for hose diameters of 6 or 8 mm. This enables uncomplicated installation and quick integration into existing pneumatic systems. The optionally available, addable holders enable quick replacement via click mounting.

Electrical features

Initial setting	-1000 hPa
Type of analog output	4 - 20mA
Type of electrical connection	Connector M8
End setting	0 hPa
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 %
Operating voltage (DC)	9 - 30 V
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector
ardSOCA_Betriebsspannung	9-30VDC
ardTEEL_Schutzfunktionen	Reverse polarity protection Short circuit protection

Mechanical features

Type of process connection	Hose AD 8mm
Diameter	19 mm
Storage temperature	-20 - 85 °C
Length	40 mm
Max. operating pressure	2 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	Ø19mm, 40mm long
ardTEME_WerkstoffDerMesszelle	Silicon (piezoresistive)

Other features

Suitable for	Air Neutral gases
Reference medium / object	Air
ardTE00_Anwendungen	Pneumatic applications

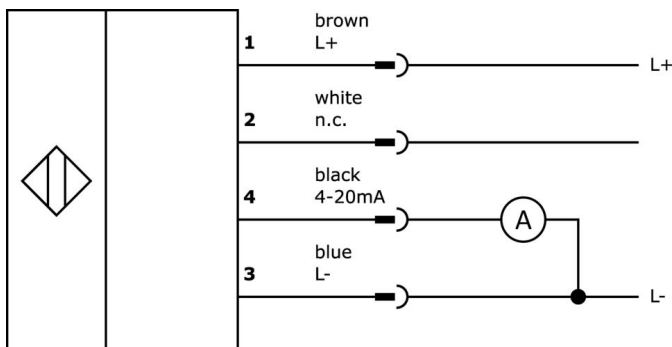
Classification

ETIM 8

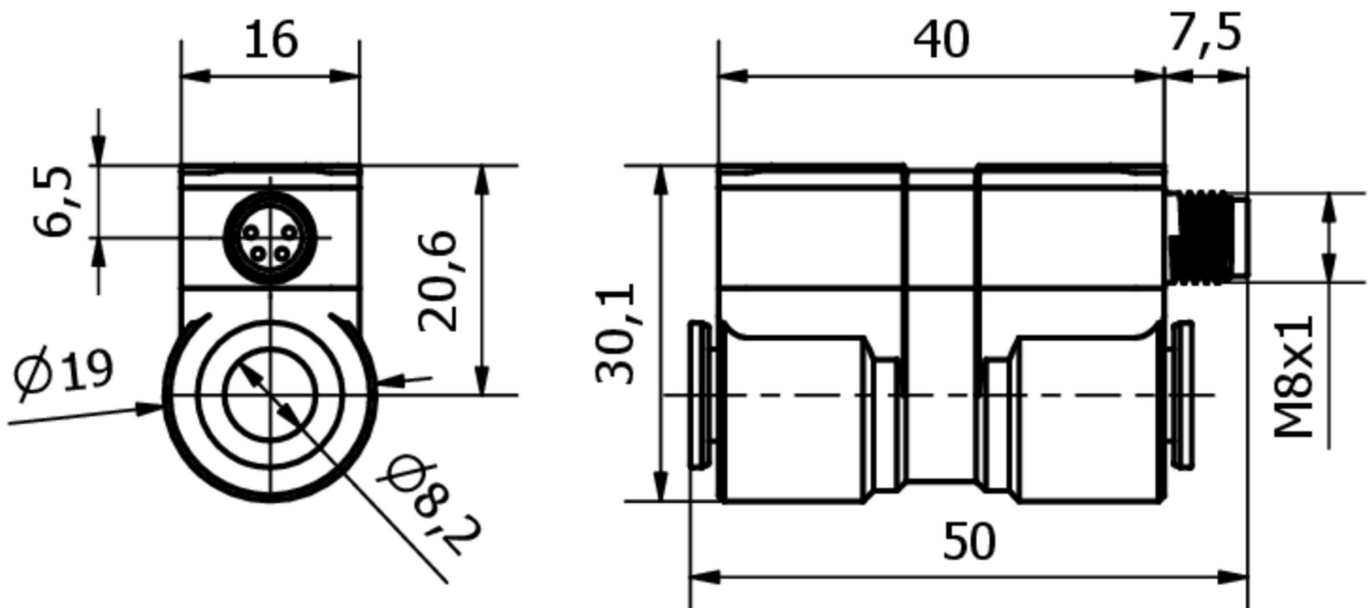
More

IPF Product Group	361 pressure sensors (diverse)
packaging dimensions	120 x 100 x 17 mm
gross weight	25 g
Customs tariff number	90262020
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes
MTTF value	2176 year(s)

Connection



Dimensional drawing



Extract accessories program

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..

VK505375



Connection cable, 5m, 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..

VK003171



Cable socket, Angular, Suitable for self-assembly, Screw connection, Ø5mm, 4A, 60V, -40-85°C, M8 Female (socket) 4pin, IP67, Polyamide PA

VK003175



Cable socket, Straight, Suitable for self-assembly, Screw connection, Ø3.5-5mm, 4A, 30V, -40-85°C, M8 Female (socket) 4pin, IP67, Brass

AD000024



Accessories Pressure, holder for Dx08, 23x40x40mm, plastic, addable

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.