

DW044600

Pressure sensors • Pressure switch Inline

Pressure sensor, Ø16mm 40long, -1-0bar, 9-30V DC, hose OD 4mm, 2x PNP NO/NC, M8 plug connector 4-pin, IP68, plastic PBT/PC, IO-Link

/ Parameterization via IO-Link



InLine mounting Push In 4mm

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

Electrical features

Initial setting	-1000 hPa
Number of switching outputs	2
Display	LED display
Type of switching function	Normally closed contact/normally open contact
Type of electrical connection	Connector M8
Type of switching output	PNP
Rated switching current	250 mA
Setting procedure	Parameterization via IO-Link
End setting	0 hPa
Short-circuit protection	Yes
No-load current	25 mA
Measuring range pressure	-1 - 0 bar
Measurement method	Relative
Number of pins	4
Relative linearity deviation	0.5 %
Relative repeat accuracy	0.2 %
Voltage drop	1.5 V
Temperature drift over entire measuring range	1.5 %
Reverse polarity protection	Yes
Supported communication interface	IO-Link
Operating voltage (DC)	9 - 30 V
Suitable as limiter	Yes
Suitable as monitor	Yes
Output functions	Window function Switching point Hysteresis
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector
ardSOCA_Betriebsspannung	9-30VDC

Mechanical features

Type of process connection	Hose OD 4mm
Diameter	16 mm
For liquid media	No
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	Ø16mm, 40mm long
ardTEME_WerkstoffDerMesszelle	Silicon (piezoresistive)

Other features

Suitable for	Neutral gases Air
Reference medium / object	Air
ardTE00_Anwendungen	Pneumatik-Anwendungen

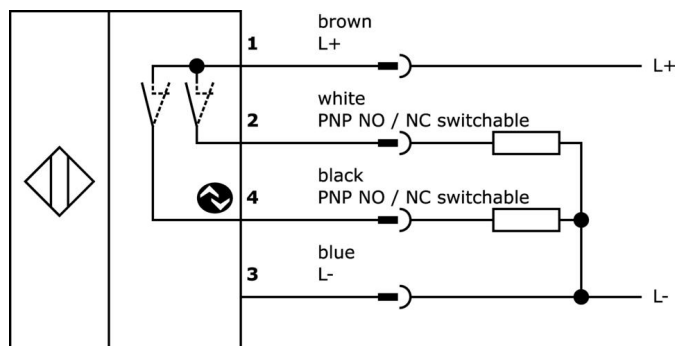
Classification

ETIM 8	EC000243 Pressure switch
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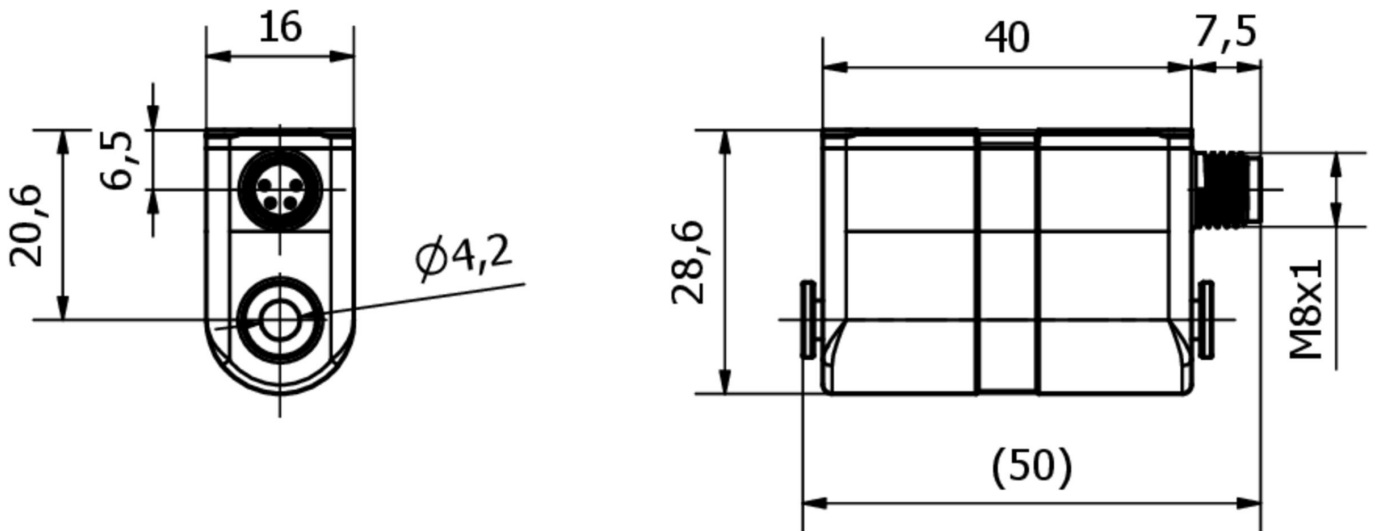
More

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

Connection



Dimensional drawing



Extract accessories program

VK030F71



Connection cable, 0.3m, M8 socket 4-pin angular, M8 connector 4-pin straight, 4-core, PUR (polyurethane), suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK030F75



Connection cable, 0.3m, M8 socket 4-pin straight, M8 connector 4-pin straight, 4-core, PUR (polyurethane), suitable for trailing chain and torsion-resistant, oils and cooling lubricants, welding area, silicone-free

VK030F81



Connection cable, 0.3m, M8 socket 4-pin angular, M12 connector 4-pin straight, 4x0.34mm², PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK030F85



Connection cable, 0.3m, M8 socket 4-pin straight, M12 connector 4-pin straight, 4x0.34mm², PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK000040



Adaption, M8 Female (socket) 4pin Straight, M12 Male (connector) 4pin Straight, 24V, -25-85°C, IP67, Oil and cooling lubricants, Welding area

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

VK200371



Connection cable, 2m, M8 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm², PUR (Polyurethane), Ø4.7mm, 30V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK200375



Connection cable, 2m, M8 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm², PUR (Polyurethane), Ø4.7mm, 30V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

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.
- /** Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com