

**DW16460D**

**PRESSURE SENSORS • CONNECTION G1/8" INNER THREAD**

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



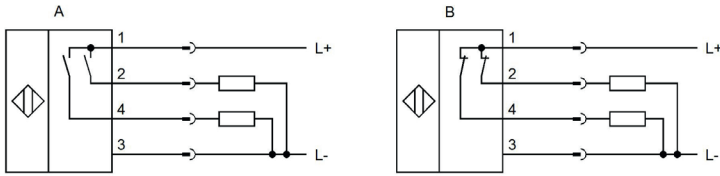
**TECHNICAL DATA**

Adjustable hysteresis	Yes
Adjustable unit	Yes
Ambient temperature	-10 °C ... 60 °C
CIP compatible	No
Compatible with foodstuff	No
Degree of protection (IP)	IP65
Electronic version	Yes
End value measuring range, pressure	10 bar
End value measuring range, pressure	1000000 Pa
Explosion-proof	No
For gaseous media	Yes
For hydraulic applications	No
For liquid media	No
For pasty media	No
For pneumatic applications	Yes
Front-flush membrane	No
Housing design	Cylinder plain
Housing material	Plastic ABS
IO-Link compatible	Yes
Initial value of measuring range, pressure	0 bar
Initial value of measuring range, pressure	0 Pa
Max. operating overpressure	16 bar
Max. operating pressure	10 bar
Max. operating pressure	10000 hPa
Max. output current	250 mA
Measurement method	Relative
No-load current	15 mA
Nominal pressure	10 bar
Number of pins	4
Number of switching outputs	2

**TECHNICAL DATA**

Operating voltage	10 V ... 30 V
Peak value memory	Yes
Pressure transmitter	No
Programmable via software	No
Rated operating voltage U <sub>e</sub> at DC	10 V ... 30 V
Readiness delay	5000 ms
Relative linearity deviation	1 %
Relative repeat accuracy	0.2 %
Residual ripple	10 %
Response time	2.5 ms
Reverse polarity protection	Yes
Sensing element material	Nickel-plated brass
Sensor diameter	16 mm
Sensor length	79 mm
Setting procedure	Parameterization
Short-circuit-proof	Yes
Suitable as 2-point control	Yes
Suitable as limiter	Yes
Suitable as monitor	Yes
Switching frequency	200 Hz
Switching output with window function	Yes
Thread length	7 mm
Turn-off delay	99.9 s
Turn-on delay	99.9 s
Type of electrical connection	Plug-in connection M8
Type of electrical connection	Other
Type of pressure connection	G1/8 inch A / M5 inside
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	Yes
With display	Yes

## CONNECTION

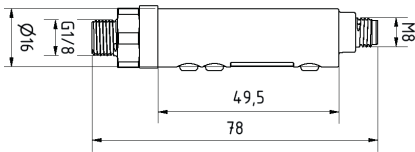


**Colors:** A: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)

B: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)  
**Functions:** A: 1 = L+, 2 = PNP NO, 3 = L-, 4 = PNP NO

B: 1 = L+, 2 = PNP NC, 3 = L-, 4 = PNP NC

## DIMENSIONAL DRAWING



## INSTALLATION



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

## DISPOSAL



## 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.