Siemex

DATASHEET
Doc. DS-0009 · Rev. A

KEY FIGURES

4...20 mA
Standard output signal

−1...+100 bar
Measuring range

< ±0.4 % FS
Residual error Linearity/Hyst.

IP65
Protection class

RANGE OF APPLICATIONS

- Pneumatics
- Hydraulics
- Industrial applications
- Static and dynamic relative or absolute pressure in liquids and gaseous media

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MODEL PM IND

Pressure Transmitter

Industrial pressure transmitter





Electrical connection:
4-pole industrial plug, male, DIN 43650

FEATURES

- Standard output signal 4...20 mA
- High-quality industrial version (stainless steel)
- Robust, media-resistant version
- Temperature compensated
- Easy to install
- Water and oil resistant
- Protection class IP65

Description

The stainless steel pressure sensors transmit the measured value as a calibrated and temperature-compensated standard signal 4...20 mA. The sensors covers the pressure range from vacuum to 100 bar full scale (FS) with graduated measuring range variants (see table).

Precise calibration at seven measuring points for three different temperatures ensures excellent precision and a very low residual temperature error.

The sensors are ideal for measuring static and dynamic relative or absolute pressure in liquids and gaseous media. Typical areas of application include pneumatics, hydraulics and industrial applications.

The robust sensor housing, compliant with protection class IP65, is made of stainless steel and has a G½" external thread as the media connection.

The electrical connection is an industrial plug according to DIN 43650.

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PM IND Pressure Transmitter

Model PM IND

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Technical Data

MEASUREMENT

Measuring range	-1...+100 bar (see table for ranges)
Overload	See over/burst pressure in table for ranges
Residual error Linearity/Hyst.	< ±0.4 % FS
Temperature coefficient	TCO < ±0.015 % FS / K TCG < ±0.010 % FS / K
Application temp. range	-20...+80 °C

CASE AND CONNECTION

Sensor material	Ceramic measuring cell
Housing material	Stainless steel
Seal	Viton
Pressure connection	G½" external thread
Connection	4-pole industrial plug, male, DIN 43650
Protection class	IP65

CONFORMITY

CE-conformity	2014/30/EU
EMC emission standard	EN 61000-6-3:2011
EMC immunity	EN 61000-6-1:2007

ELECTRICAL DATA

Output signal	4...20 mA, two wires
Min. load	$R_a[\Omega]=(U_v[V]-10V) / 0.02\ A$

Pressure Ranges

Relative pressure measuring

TYPE	RANGE	OVER PRESS.	BURST PRESS.
PM IND 0010	0...1.0 bar	3.2 bar	5 bar
PM IND 0016	0...1.6 bar	3.2 bar	5 bar
PM IND 0025	0...2.5 bar	10 bar	12 bar
PM IND 0060	0...6.0 bar	12 bar	18 bar
PM IND 0100	0...10.0 bar	20 bar	30 bar

Other pressure ranges on request

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Model PM IND

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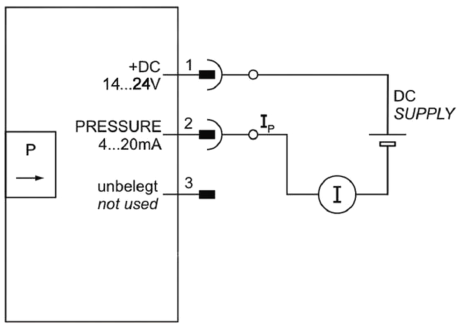
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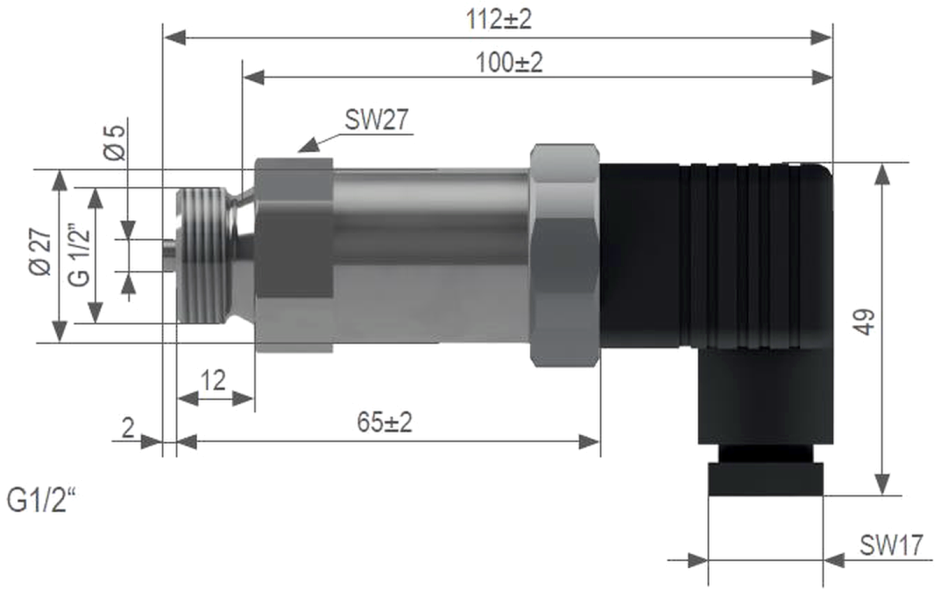
Connection Layout

PIN	CURRENT OUTPUT 4...20 mA
1	Supply: + DC 14...24 V
2	Pressure: 4...20 mA
3	-
4	-





Dimensions



Attention

Please avoid extreme mechanical and inappropriate exposure.
The device/product is not suitable for potential explosive areas and medical-technical applications.

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