- G ½“ connection with dry and flush
- capacitance ceramic sensor
- Ranges from 60 mbar to 20 bar
- High overload capability
- Global error < 0,2% F.S.
- Option: ambient / fluid temperature
- up to 120°C
- Analog output: 4...20 mA, 2-wire
- 0...10 Vdc, 3-wire
- II 1G EEx ia IIC T4/T6 (≥ 100 mbar)

Pressure transmitter P 20

Technical data:

Range:	0...60 mbar to 0...20 bar
Output signal:	4...20 mA, 2-wire
	0...10 V, 3-wire
Global error:	< 0,2% F.S.
Response time:	200 ms (others on request)
	(other on request)
Supply voltage (*):	9...32V DC, 4…20 mA signal
	15...30V DC, 0…10 Vdc signal
Ambient temperature(*):	-25… 80 °C (-25…120 °C)
Fluid temperature(*):	-25…100 °C (-25…125 °C)
Thermal drift:	< 0,015%/K (zero)
	< 0,01%/K (span)
Long term stability:	< 0,2% p. a.
Process connection:	stainless steel 1.4404
Housing:	stainless steel 1.4301
Sensor:	ceramic AL_20_3
Electr. connection:	connector DIN 43650, IP 65

(*) other values apply for EEx version

Ranges

pressure range	gauge pressure	absolut pressure	overload (bar)
0….60 mbar*(1)	A9		-0,3/4
0...100 mbar	00		-0,3/4
0...160 mbar	01		-1/5
0...200 mbar	B1		-1/5
0...250 mbar	02		-1/5
0...300 mbar	X5		-1/5
0...400 mbar	03		-1/6
0...500 mbar	B7		-1/6
0...600 mbar	04	29	-1/10
0…..1,0 bar	05	30	-1/10
0…..1,6 bar	06	31	-1/15
0…..2,0 bar	B3	B4	-1/15
0…..2,5 bar	07	32	-1/15
0…..4,0 bar	08	33	-1/25
0…..5,0 bar	F1		-1/40
0…..6,0 bar	09	34	-1/40
0…..10 bar	10	35	-1/40
0…..16 bar	11	36	-1/40
0…..20 bar	B5	B6	-1/40
-1….+1 bar	D6		-1/10

* Global error 0,5% F.S. (1) not for EEX
other ranges on request

Ordering code

Output signal
1 0...10V 3-wire
4 4...20 mA 2-wire
E 4…20 mA-2wire, II 1G EEx ia IIC T4T6 (≥ 100 mbar)
H 4…20 mA 2-wire, -25…120°C

Range
See table on the left
99 other (on request)

Process connection and material
1 G1/2 m, DIN 3852 1.4404
X Clamp 3/4“, DN 10…20, 1.4404
9 other (on request)

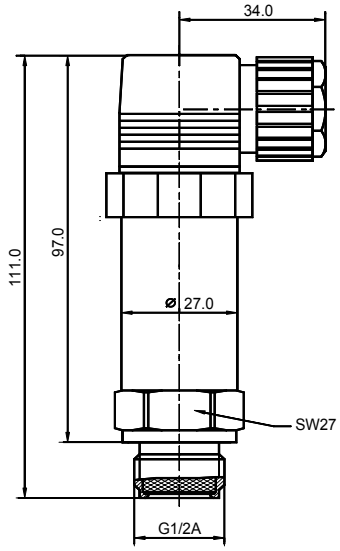
Sensor seal
1 FPM (Viton) Standard
2 NBR (Nitril) (max. 80°C)
3 EPDM
9 other (on request)

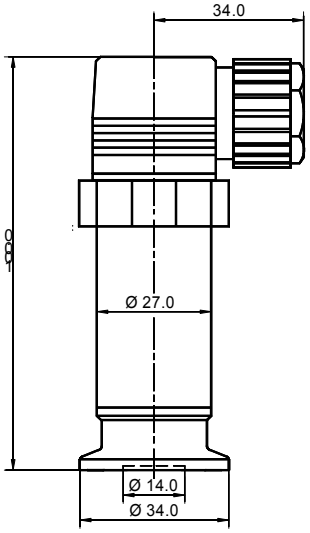
Electrical connection
0...5m cable, IP 68
1 Connector DIN 43650
6...2m cable, IP 68
9 other (on request)

Potted electronic
0 not potted
1 potted (on request)

**P20 – – **

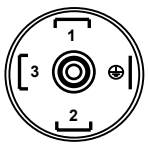
Dimensions





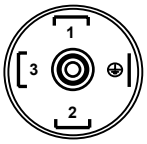
Electrical connections

DIN 43650 connector



4...20 mA 2-wire

PIN1 Signal +
PIN2 Signal –



0...10V 3-wire

PIN1 Signal +
PIN2 Signal – /Supply -
PIN3 Supply +