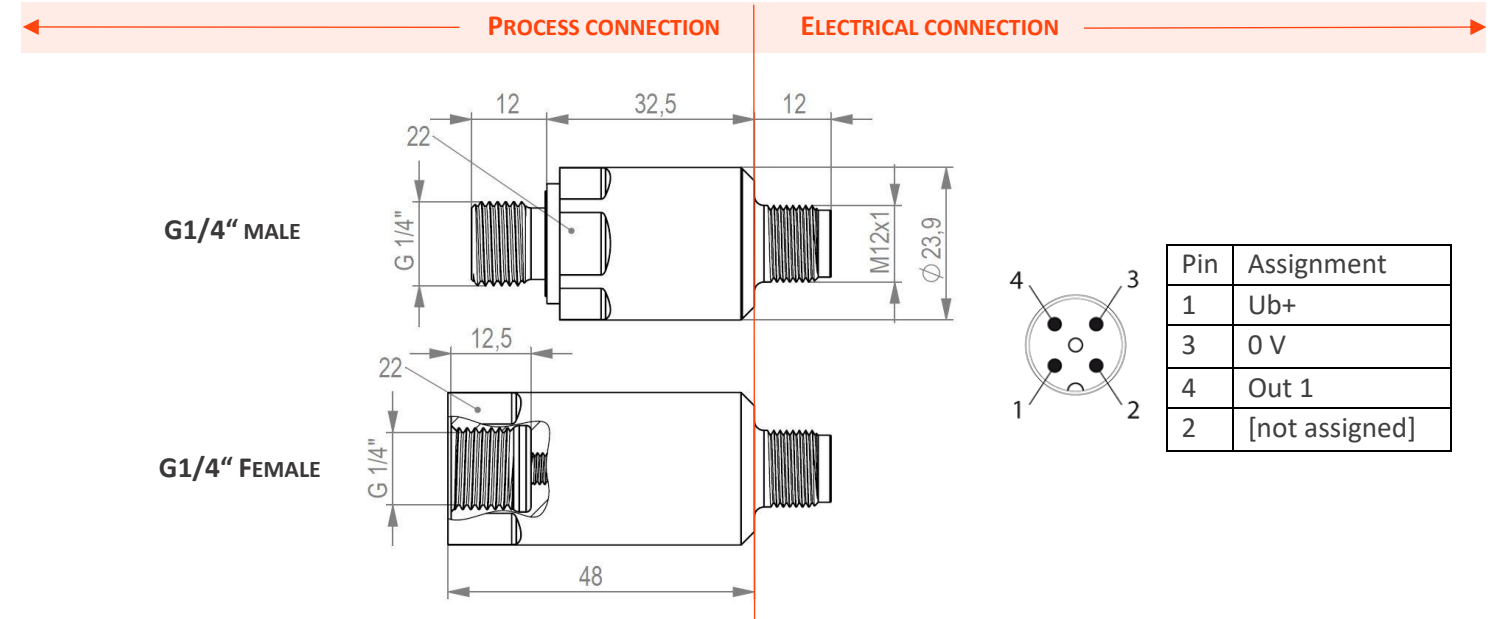


DATA SHEET | ENGLISH



General data	
Protection class rating	IP65 / IP67 / IP68
Protection level	III
Expected lifetime	100 Mio. load changes
Pressure type	relative pressure
Measuring cell type	ceramic
MTTF (40°C)	2.236 years (continuous operation)

Ordering information	
5 - 30 - X 1 X X - XXX 0 XX	
<i>Process connection</i>	<i>Firmware</i>
G1/4" M (Außen) 1	Standard 00
G1/4" F (Innen) 5	Kundenspezifisch >00
<i>Output signal</i>	<i>Pressure range*</i>
0-10V 5	-1...5bar 005
1-10V 6	0...10 bar 010
4-20mA 7	0...16 bar 016
	0...25 bar 025
	0...40 bar 040
	0...100 bar 100
	0...250 bar 250
	0...400 bar 400
	0...600 bar 600
<i>Sealings</i>	
NBR (=Standard) 1	
FKM 2	
EPDM 3	

\*more pressure ranges available on request

Mechanical data	
Process connection	G1/4" M, G1/4" F
Wrench size pressure connection	22
Weight	68g (G1/4" M); 103g (G1/4" F)

Electrical data	
Electrical connection	Connector M12x1, 4-pole
Operating voltage [Ub]	9...30 VDC (13...30 VDC for voltage output)
Current consumption	< 25 mA
Short-circuit / reverse polarity prot.	yes / yes

Output	
Out 1 (Pin 4)	0-10V / 1-10V / 4-20mA
Min. load resistance (0-10V / 1-10V)	2 kΩ
Max. load (4-20mA)	500 Ω
Response time	< 3 ms

Accuracy	
Total accuracy (23°C)	± 0,5% FSO (GP)
max. temperature error (-25...+80°C)	± 1,5% FS (<100bar); ± 2,5% (≥100bar)
Repetition accuracy	± 0,2% FS
Long-term drift	≤ 0,1% FS / a

Materials (wetted parts)	
Material fluid connection / housing	stainless steel 1.4404
Material measuring cell	ceramic Al <sub>2</sub> O <sub>3</sub> 96%
Material seals	see ordering information

Materials (non-wetted parts)	
Material connector M12	stainless steel 1.4301 / 1.4305

Pressure range	
Measuring range [bar]	5 10 16 25 40 100 250 400 600
Overload press. ** [bar]	10 20 40 40 100 150 375 500 750
Burst pressure ** [bar]	20 35 60 60 140 300 500 650 900

\*\* increased overload resistance available on request

Operating conditions	
Operating temperature	Operation: -25°...+80°C Fluid: -25°...+100°C Storage: -30°...+85°C
Range of application	Fluid group 2 media only
EMC / interference immunity	EN61000-6-2
EMC / interference emission	EN61000-6-4
Vibration resistance	DIN EN 60068-2-6: 20G, 10-2000 Hz, XYZ
Shock resistance	DIN EN 60068-2-27: 50G, 11ms, XYZ