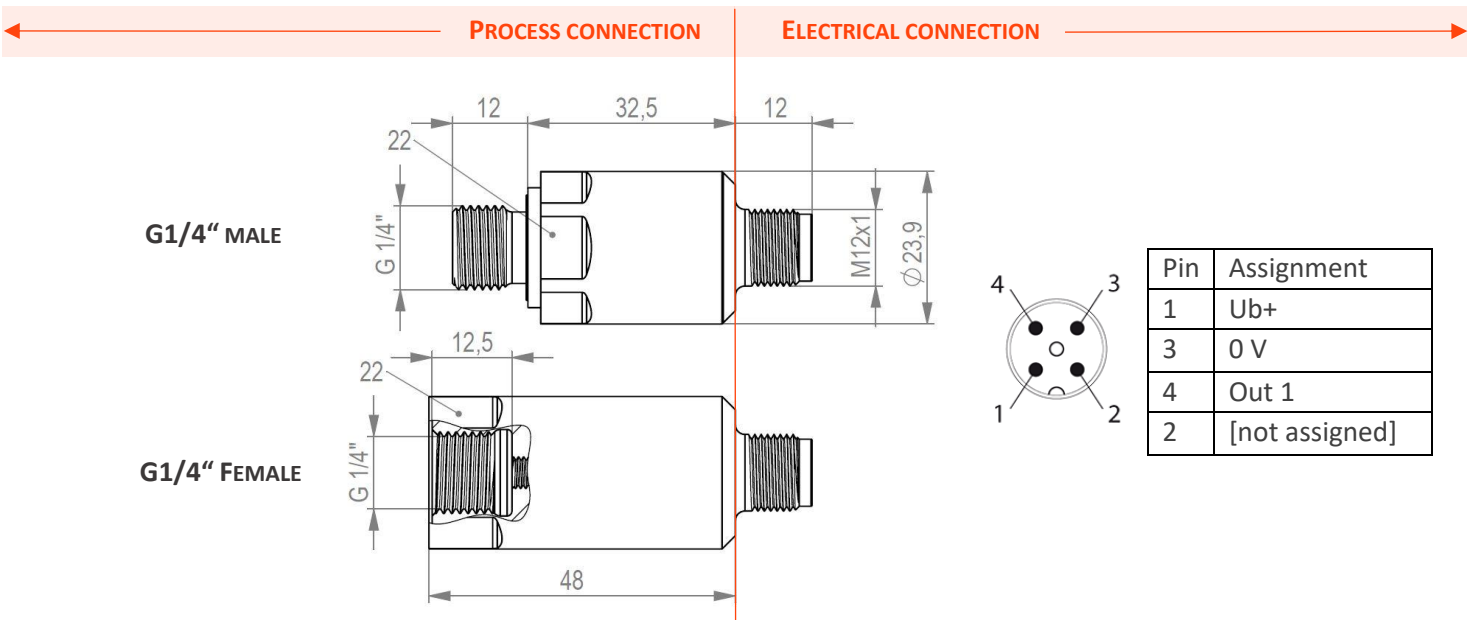


DATA SHEET | ENGLISH



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 - <u>X</u> 1 <u>X</u> <u>X</u> - <u>XXX</u> <u>X</u> <u>XX</u>		
<u>Process connection</u>		<u>Firmware</u>
G1/4" M (male) 1		Standard 00
G1/4" F (female) 5		Customized >00
NPT1/4" M (male) 3		
NPT1/4" F (female) 6		
<u>Output signal</u>		<u>Pressure range*</u>
0-10V 5		-1...5bar 005 2
1-10V 6		0...10 bar 010 0
4-20mA 7		0...16 bar 016 0
		0...25 bar 025 0
		0...40 bar 040 0
<u>Sealings</u>		0...100 bar 100 0
NBR (=Standard) 1		0...250 bar 250 0
FKM 2		0...400 bar 400 0
EPDM 3		0...600 bar 600 0

*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	± 0.1% FS
Long-term drift	≤ 0.1% FS / a

Materials (wetted parts)	
Material fluid connection / housing	stainless steel 1.4404
Material measuring cell	ceramic Al ₂ O ₃ 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