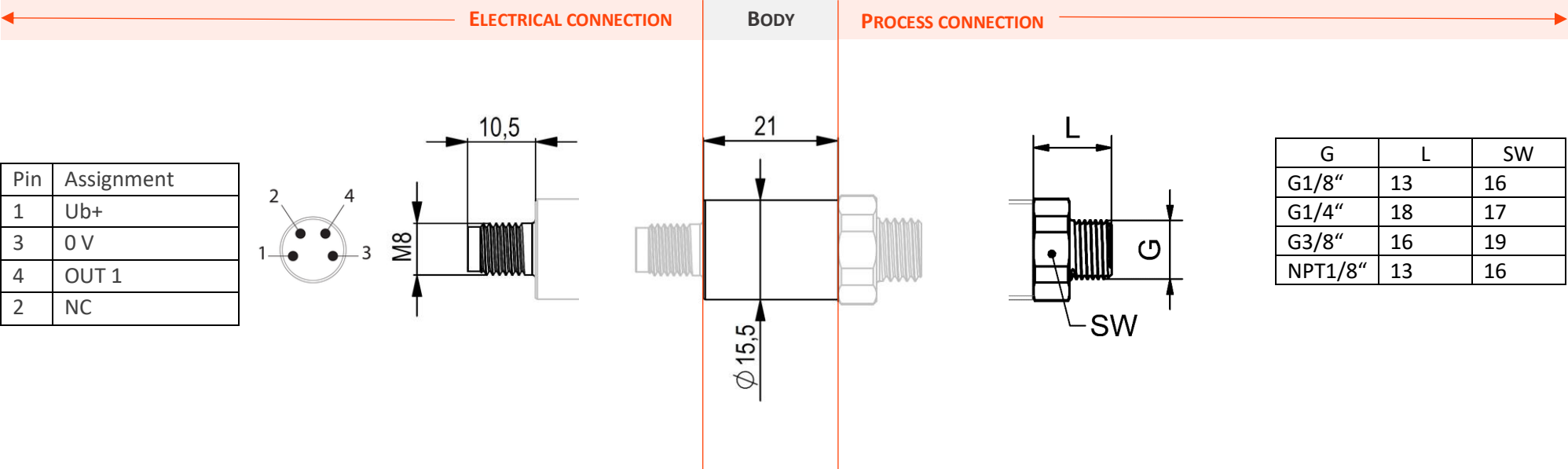


DATA SHEET | ENGLISH



General data

Operating medium	Filtered, dry or oiled air and non-corrosive gases
Protection class	IP67
MTTF (40°C)	2,176 years (4-20mA) 2,528 years (0-10V / 1-10V/1-5V)

Ordering information

Process connection	Version
G1/8" a 01	Standard 00
NPT1/8" a 02	Customer specific >00
G1/4" a 04	
G3/8" a 05	
Protection class	Pressure range
IP54 4	bar psi
IP67 7	-1...0 -14.5...0 1
	-1...1 -14.5...14.5 2
	-1...10 -14.5...145 3
	0...10 0...145 4
	0...12 0...174 5
	-1...3 -14.5...43.5 6
	0...0.25 0...3.62 8
Output signal	
4...20 mA 01	
1...10 V 02	
0...10 V 03	
1...5V 04	

Mechanical data

Material housing	Stainless steel
Process connection	G1/8"; G1/4"; G3/8"; NPT1/8"
Material process connection	Brass nickel-plated
Mounting position	Any (port downwards when using oiled air)
Weight	25 g

Electrical data

Electrical connection	Connector M8, 4-pole After mounting, rotatable by 360°
Operating voltage	9...30 VDC (4...20 mA); 14...30 VDC (1...10 V; 0...10 V; 1...5 V) (UL: class 2 source only)
Short-circuit / reverse polarity protection	yes / yes
Output signal	4...20 mA; 1...10 V; 0...10 V; 1...5 V
Accuracy (23°C)	± 0.5% BTLS
max. temperature error	± 1.5% FS (-10°C...70°C)
Repeatability	± 0.2% FS
Long term drift	≤ 0.1% / a

Pressure range

Measuring range	(bar)	(psi)	0...0.25	-1...0	-1...1	-1...3	-1...10	0...10	0...12
			0...3.26	-14.5...0	-14.5...14.5	-14.5...43.5	-14.5...145	0...145	0...174
max. overpressure*	(bar)	(psi)	0.5	2	6	15			
			7.25	29	87	217.6			

Operating conditions

Operating temperature	Operation: -10°...70°C (UL: 0°...60°C) Fluid: 0°...+80°C (UL: 0°...60°C) Storage: -20°...+85°C
EMC / interference immunity	EN61000-6-2 DIN EN 50121-3-2:2017-11
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
UL approval	E511277
LABS conformity	VDMA 24364-B1/B2/C1-L/W

* overpressure not continuously allowed