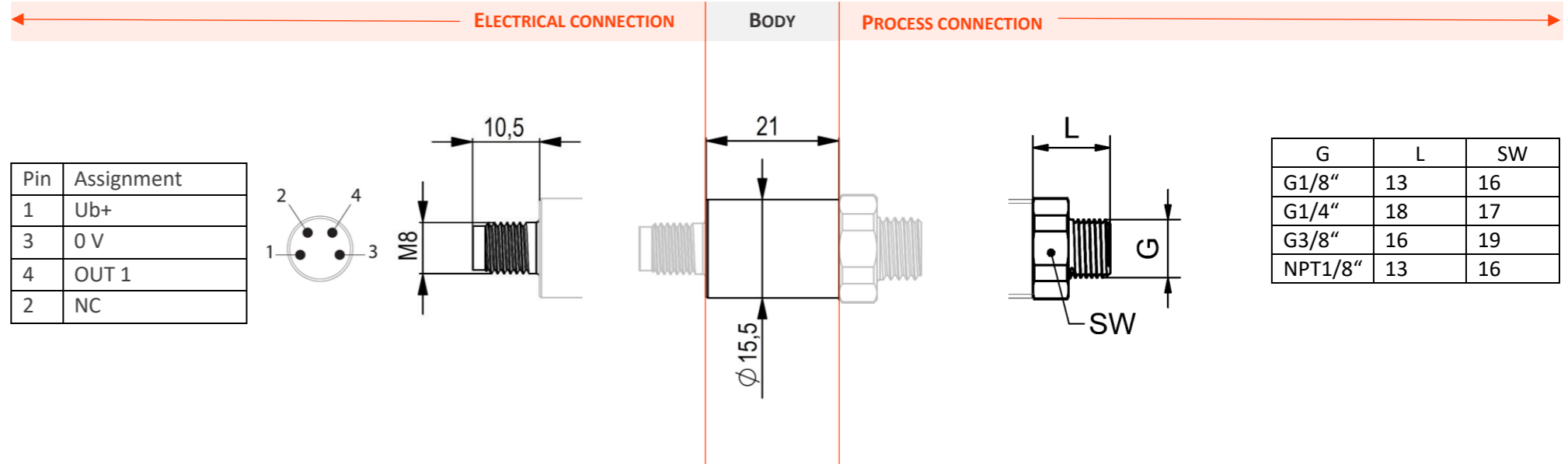


DATA SHEET | ENGLISH



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)

Ordering information

2 - 02 - XX X1 - XX 0 X 00

Process connection	Version	Pressure range (bar)
G1/8" a	Standard	-1...0
NPT1/8" a	Customer specific	-1...1
G1/4" a		-1...10
G3/8" a		0...10
		0...12
		-1...3
		0...6

Protection class	Output signal
IP54	4...20 mA
IP67	1...10 V **
	0...10 V

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 und 0...10 V) (UL: class 2 source only)
Short-circuit / reverse polarity protection	yes / yes
Output signal	4...20 mA; 1...10 V; 0...10 V
Accuracy (23°C)	± 0,5% FS
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)	(bar)	(psi)	(bar)	(psi)	(bar)	(psi)
-1...0	-1...1	-1...3	0...6	-1...10	0...10	0...12		
-14,5...0	-14,5...14,5	-14,5...43,5	0...87	-14,5...145	0...145	0...174		
max. overpressure*								
(bar)		2	6	10	15			
(psi)		29	87	145	217			

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

** may not be available for every pressure range