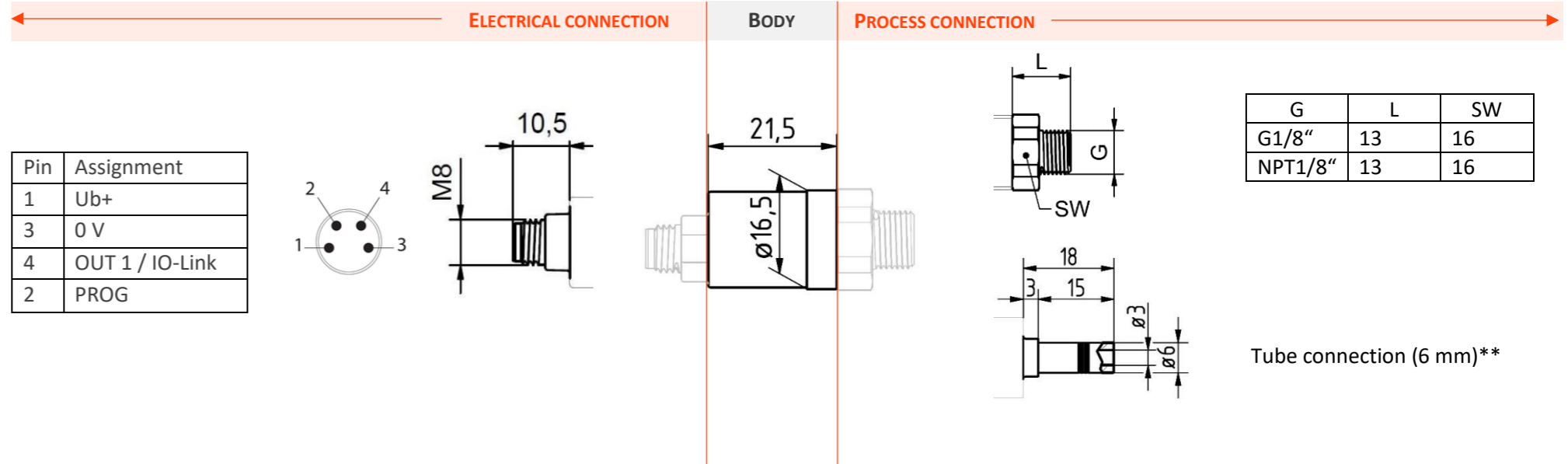


DATA SHEET | ENGLISH



Pin	Assignment
1	Ub+
3	0 V
4	OUT 1 / IO-Link
2	PROG



General data	
Setting options	Switch points; NO/NC; Hysteresis / window mode; On/Off Delay; Programming lock ex works
Operating medium	Filtered, dry or oiled air and non-corrosive gases
Protection class	IP65
MTTF (40°C)	820 years
Ordering information	
1 - 07 - XX XX - XX 3 X XX	
<i>Process connection</i>	<i>Firmware</i>
G1/8" 02	Standard 00
NPT1/8" 04	Customized >00
<i>Electrical connection</i>	<i>Pressure range</i>
M8 01	bar psi
M12 4-pole 02	-1...0 -14.5...0 1
	-1...1 -14.5...14.5 2
<i>Output signal</i>	-1...10 -14.5...145 3
2x PNP 03	0...10 0...145 4
2x NPN on request	0...12 0...174 5
	-1...3 -14,5...43,5 6
	0...0,25 0...3,62 7

Electrical data	
Electrical connection	M8x1, 4-pole
Operating voltage	9...30 VDC (UL: class 2 source only)
Current consumption	< 20 mA
Short-circuit / reverse polarity protection	yes / yes
Output	
Output signal	1x PNP (IO-Link is optionally available); 1x NPN (only without IO-Link)
Output voltage	approx. Ub -1.5 V
Max. output current	max. 250 mA each output
Output function	NO / NC (programmable)
Operating frequency	200 Hz
Capacitive load	200 nF
Response time	< 2.5 ms
Accuracy (23°C)	± 0,5% FS
max. temperature error	± 1,5% FS (-10°C...60°C)
Repeatability	± 0.2% FS
Long term drift	≤ 0,1% / a
IO-Link	
IO-Link specification	Version 1.1
Transmission rate	COM 2 / 38.4 Kbit/s
Process data width	24 bit
Measurement information	16 bit
Switch point information	1 bit
Max. cvcle time	5 msec

Mechanical data	
Material housing	Plastic PC
Process connection	G1/8"; NPT1/8"; Tube connection 6 mm**
Material process connection	Brass nickel-plated
Mounting position	Any (port downwards when using oiled air)
Weight	18 g
Pressure range	
Measuring range	
(bar)	0...0,25   -1...0   -1...1   -1...10   0...10   0...12
(psi)	0...3,26   -14.5...0   -14.5...14.5   -14.5...145   0...145   0...174
max. overpressure*	
(bar)	0,5   2   15
(psi)	7,25   29   217,6
Operating conditions	
Operating temperature	Operation: -10°...+60°C (UL: 0°...+60°C) Storage: -20°...+85°C
EMC / interference immunity	EN61000-6-2
EMC / interference emission	EN61000-6-4
UL approval	E511277

\*overpressure not continuously allowed | \*\*only for pressure ranges -1...0 and -1...1 bar (-14.5...0 and -14.5...14.5 psi)