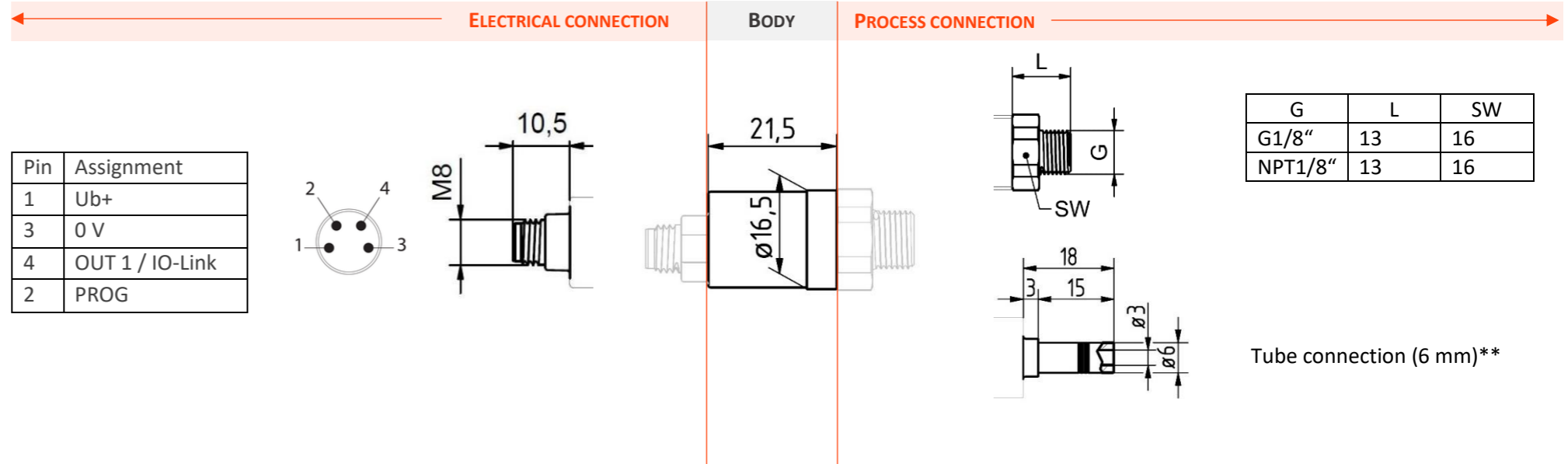


DATA SHEET | ENGLISH



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 - 02 - XX 01 - XX 3 X XX	
<u>Process connection</u>	<u>Firmware</u>
G1/8" 02	Standard 00
NPT1/8" 04	Customized >00
Tube connection 6 mm** 05	
<u>Output signal</u>	<u>Pressure range</u>
1x PNP 01	bar psi
1x NPN on request	-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

Electrical data	
Electrical connection	M8x1, 4-pole
Operating voltage	9...30 VDC
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	± 2% FS
Repeatability	± 0.2% FS
IO-Link	
IO-Link specification	Version 1.1
Transmission physics	3-conductor physics (PHY2)
Transmission rate	COM 2 / 38.4 Kbit/s
Process data width	24 bit
Measurement information	16 bit
Switch point information	1 bit
Max. cycle 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)	-1...0 -1...1 -1...10 0...10 0...12
(psi)	-14.5...0 -14.5...14.5 -14.5...145 0...145 0...174
max. overpressure* (bar)	2 15
(psi)	29 217,6
Operating conditions	
Operating temperature	Operation: -10°...+60°C Storage: -20°...+85°C
EMC / interference immunity	EN61000-6-2
EMC / interference emission	EN61000-6-4

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