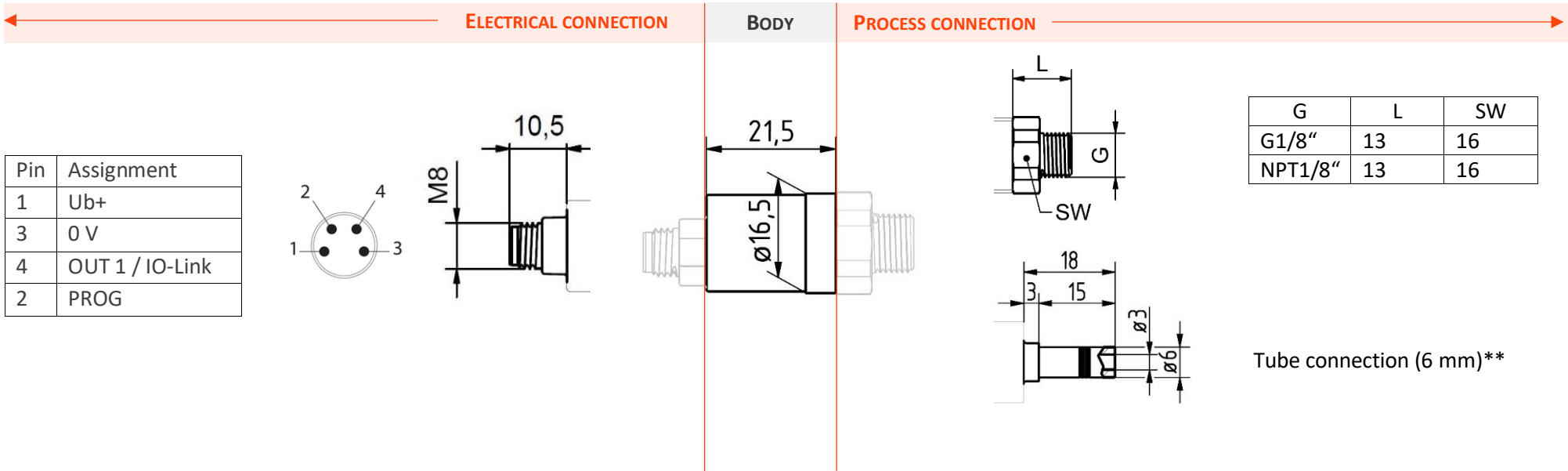


DATA SHEET | ENGLISH



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 - <u>XX</u> <u>XX</u> - <u>XX</u> 3 <u>X</u> <u>XX</u>				
<u>Process connection</u>		<u>Firmware</u>		
G1/8"	02	Standard	00	
NPT1/8"	04	Customized	>00	
Tube 6mm	05			
<u>Electrical connection</u>		<u>Pressure range</u>		
M8 4-pole	01	bar	psi	
M12 4-pole	02	-1...0	-14.5...0	1
		-1...1	-14.5...14.5	2
		-1...10	-14.5...145	3
<u>Output signal</u>		0...10	0...145	4
1x PNP	01	0...12	0...174	5
2x NPN	on request	-1...3	-14.5...43.5	6

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
(psi)	0...3.26
max. overpressure* (bar)	0.5
(psi)	7.25
	-1...0
	-14.5...0
	-1...1
	-14.5...14.5
	-1...3
	-14.5...43.5
	-1...10
	-14.5...145
	0...10
	0...145
	0...12
	0...174
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)