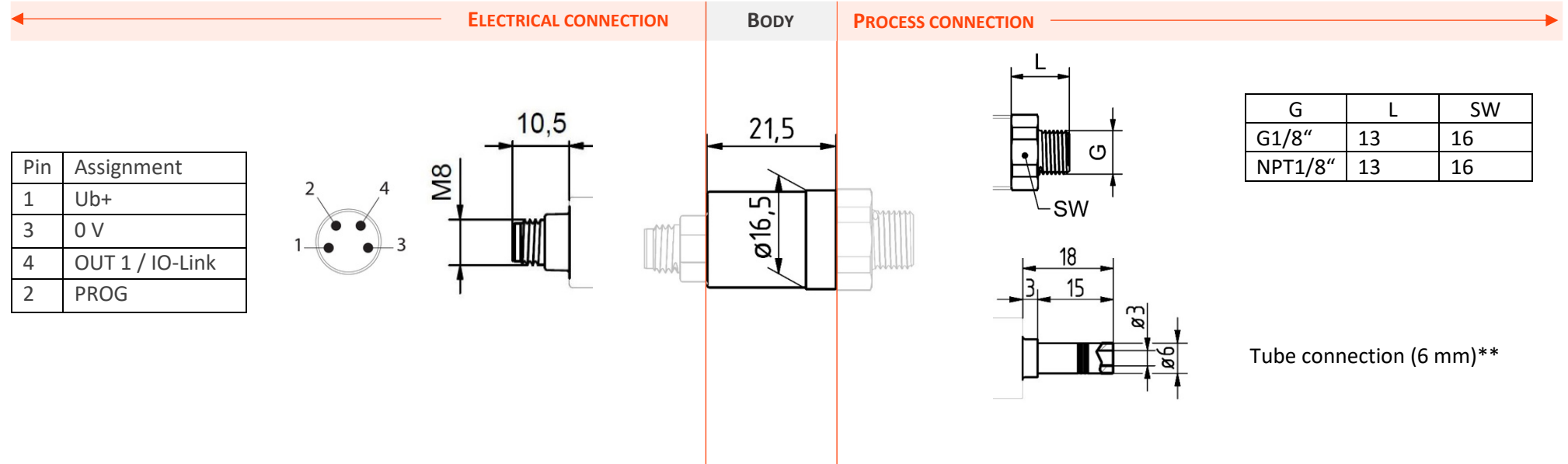


DATA SHEET | ENGLISH



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

Process connection		Firmware	
G1/8"	02	Standard	00
NPT1/8"	04	Customized	>00
Tube connection 6 mm**	05		

Output signal		Pressure range	
1x PNP	01	bar	psi
1x NPN	on request	-1...0	-14.5...0
		-1...1	-14.5...14.5
		-1...10	-14.5...145
		0...10	0...145
		0...12	0...174

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. 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 (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)