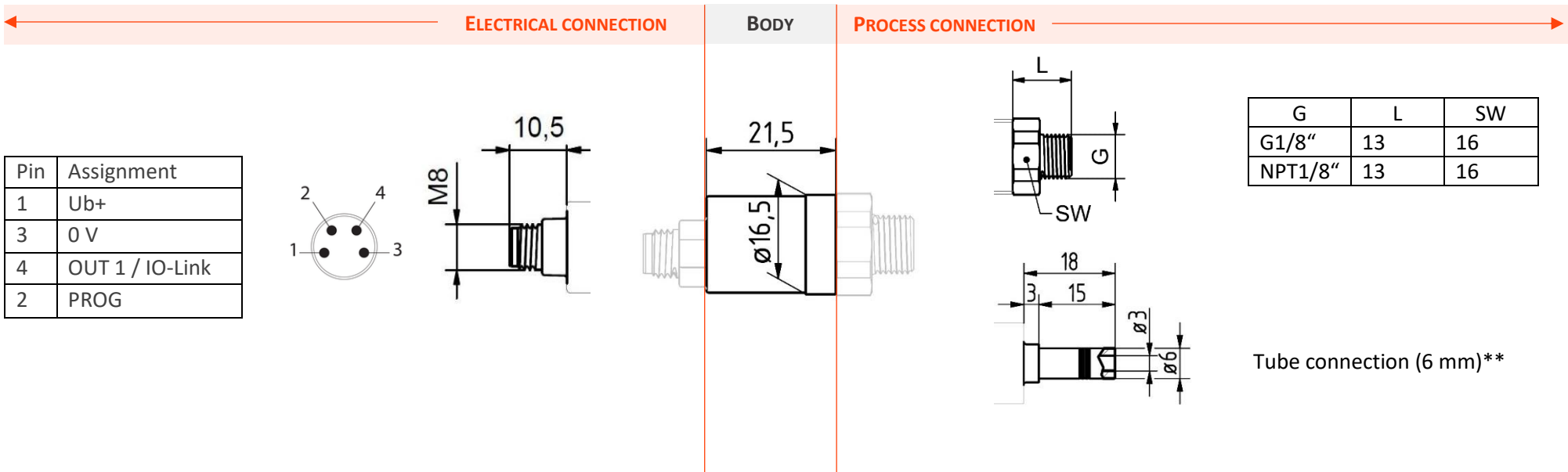


DATA SHEET | ENGLISH



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 XX - XX 3 X XX

Process connection

G1/8"

02

NPT1/8"

04

Tube 6mm

05

Electrical connection

M8 4-pole

01

M12 4-pole

02

Output signal

1x PNP

01

2x NPN

on request

Firmware

Standard

00

Customized

>00

Pressure range

bar

psi

-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

-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. 200 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 (-25°...+85°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
	2
	29
	6
	87
	15
	217.6
Operating conditions	
Operating temperature	Operation: -25°...+85°C (UL: 0°...+60°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)