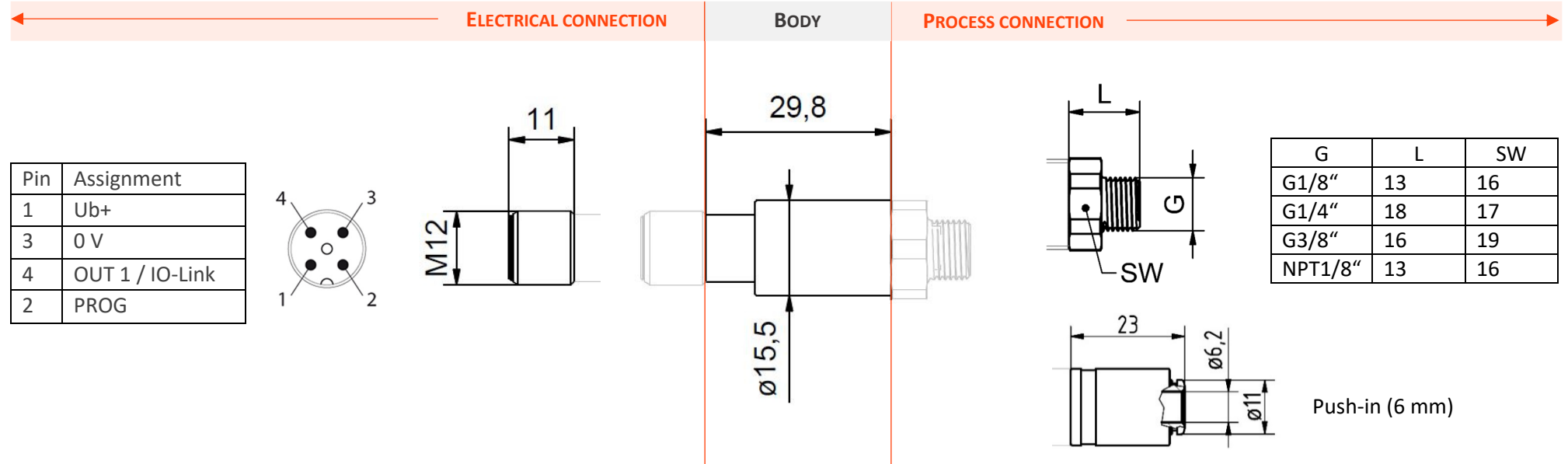


DATA SHEET | ENGLISH



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 - 03 - XX 02 - XX 3 X XX	
<u>Process connection</u>	<u>Firmware</u>
G1/8" 02	Standard 00
G1/4" 03	Customized >00
NPT1/8" 04	
Push-in 6 mm 07	
G3/8" 09	
<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	M12x1, 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	Stainless steel
Process connection	G1/8"; G1/4"; G3/8"; NPT1/8"; Push-in 6 mm
Material process connection	Brass nickel-plated
Mounting position	Any (port downwards when using oiled air)
Weight	28 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
LABS conformity	VDMA 24364-B1/B2/C1-L/W
UL approval	E511277

* overpressure not continuously allowed