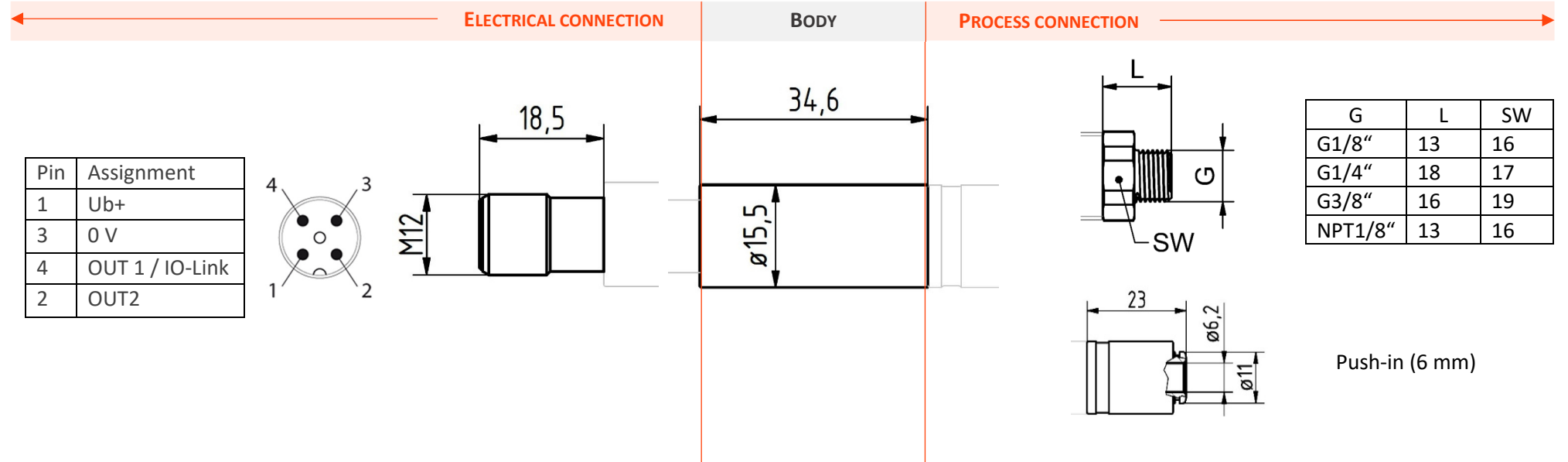


DATA SHEET | ENGLISH



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)	713 years

Ordering information	
1 - 04 - XX XX - 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>Electrical connection</u>	<u>Pressure range</u>
M12 4-pole 02	bar psi
	-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
2x PNP 03	0...12 0...174 5
2x NPN on request	

Electrical data	
Electrical connection	M12x1, 4-pole (only programmable via IO-Link)
Operating voltage	9...30 VDC (UL: class 2 source only)
Current consumption	< 25 mA
Short-circuit / reverse polarity protection	yes / yes

Output	
Output signal	2x PNP (IO-Link is optionally available); 2x 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)
Capacitive load OUT1	200 nF
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
Frame type	2.2
Transmission rate	COM 2 / 38.4 Kbit/s
Process data width	24 bit
Measurement information	16 bit
Switch point information	2 bit
Max. cycle 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	32 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
LABS conformity	VDMA 24364-B1/B2/C1-L/W

* overpressure not continuously allowed