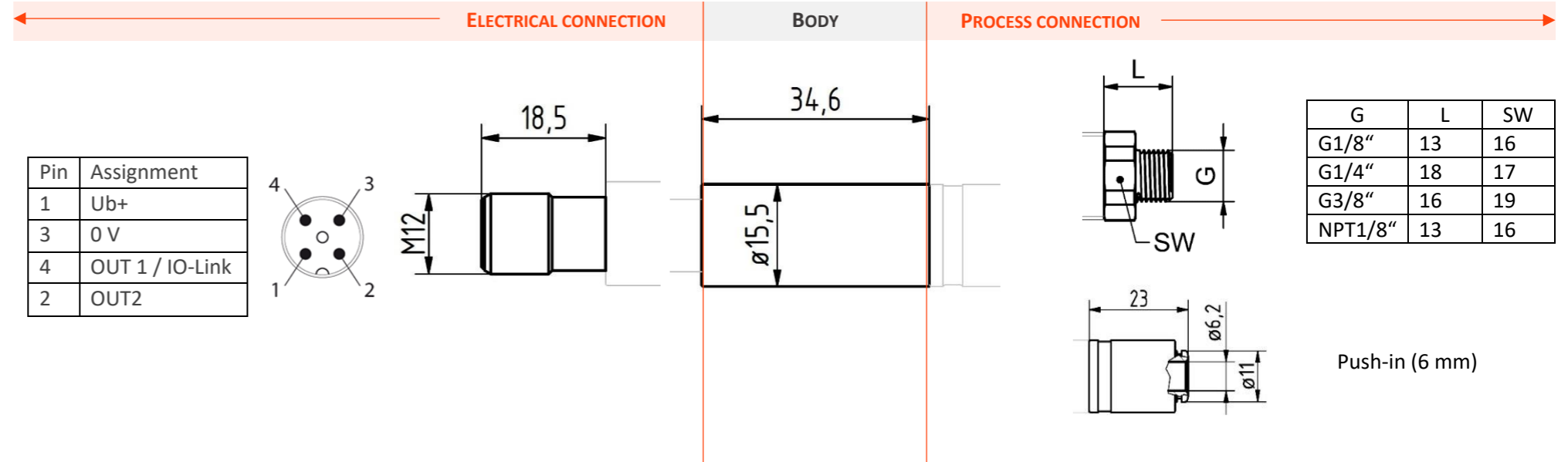


DATA SHEET | ENGLISH



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

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

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

Ordering information

1 - 04 - XX XX - XX 3 X XX

Process connection	Code	Firmware	Code	Pressure range	Code	Electrical connection	Code	Output signal	Code
G1/8"	02	Standard	00	-1...0 bar	1	M12 4-pole	02	2x PNP	03
G1/4"	03	Customized	>00	-1...1 bar	2			2x NPN	on request
NPT1/8"	04			-1...10 bar	3				
Push-in 6 mm	07			0...10 bar	4				
G3/8"	09			0...12 bar	5				
				0...12 bar	5				
				0...174 psi	5				
				-1...3 bar	6				
				0...0.25 bar	7				
				0...3,6 bar	7				

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

Pressure range

Measuring range	0...0,25 (bar)		-1...0 (-14.5...0 psi)		-1...10 (-14.5...145 psi)		0...10 (0...145 psi)		0...12 (0...174 psi)	
	max. overpressure*	0,5 (bar)	7,25 (psi)	2 (bar)	29 (psi)	15 (bar)	217.6 (psi)			

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

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