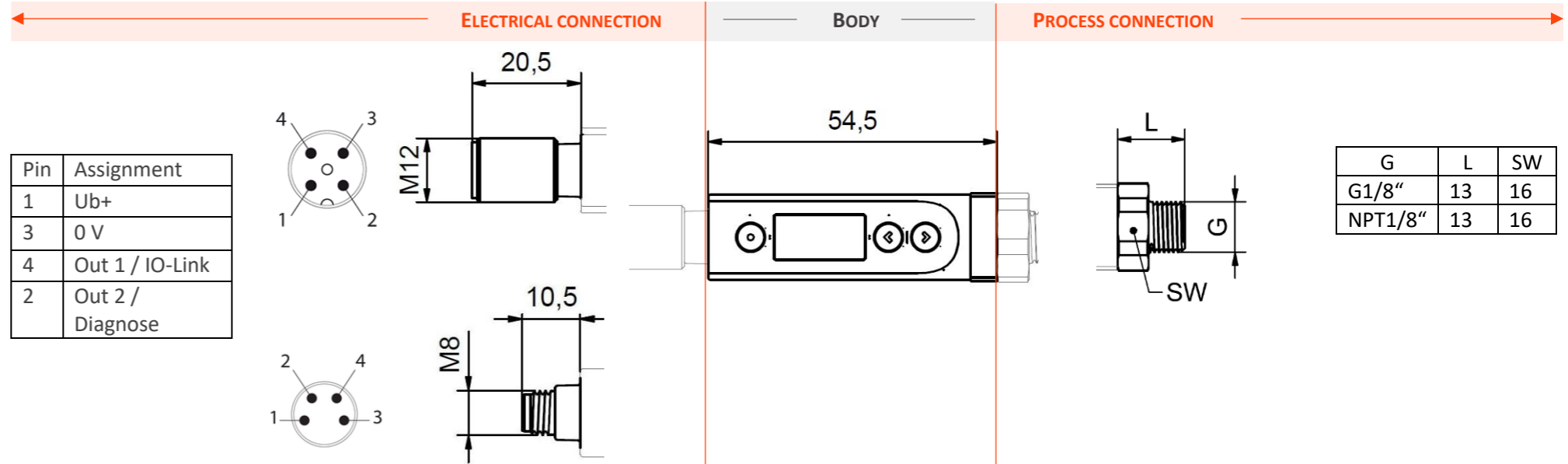


DATA SHEET | ENGLISH



General data	
Display	Digital display
Switching status display	1x LED each output
IO-Link status display	1 LED
Setting options	Switch points; NO/NC; Hysteresis / window mode; diagnostic mode; On/Off Delay; Pressure unit
Operating medium	Filtered, dry or oiled air and non-corrosive gases
Protection class	IP65
MTTF (40°C)	318 years

Ordering information	
1 - 07 - XX XX - XX 3 X XX	
<u>Process connection</u>	<u>Firmware</u>
G1/8" 02	Standard 00
NPT1/8" 04	Customized >00
<u>Electrical connection</u>	<u>Pressure range</u>
M8 01	bar psi
M12 4-pole 02	-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	-1...3 -14.5...43,5 6
	0...0,25 0...3,62 7

Electrical data	
Electrical connection	M8x1, 4-pole; M12x1, 4-pole
Operating voltage	10.8...30 VDC (UL: class 2 source only)
Current consumption	< 15 mA / < 3 mA power saving mode
Short-circuit / reverse polarity protection	yes / yes

Output	
Output signal	2x PNP (IO-Link is optionally available); 2x NPN (only without IO-Link)
Max. output current	max. 250 mA each output
Output function	NO / NC (programmable)
Operating frequency	200 Hz
Response time	< 2.8 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
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	Plastic PC
Process connection	G1/8"; NPT1/8"
Material process connection	Brass nickel-plated
Mounting position	Any (port downwards when using oiled air)
Weight	26 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