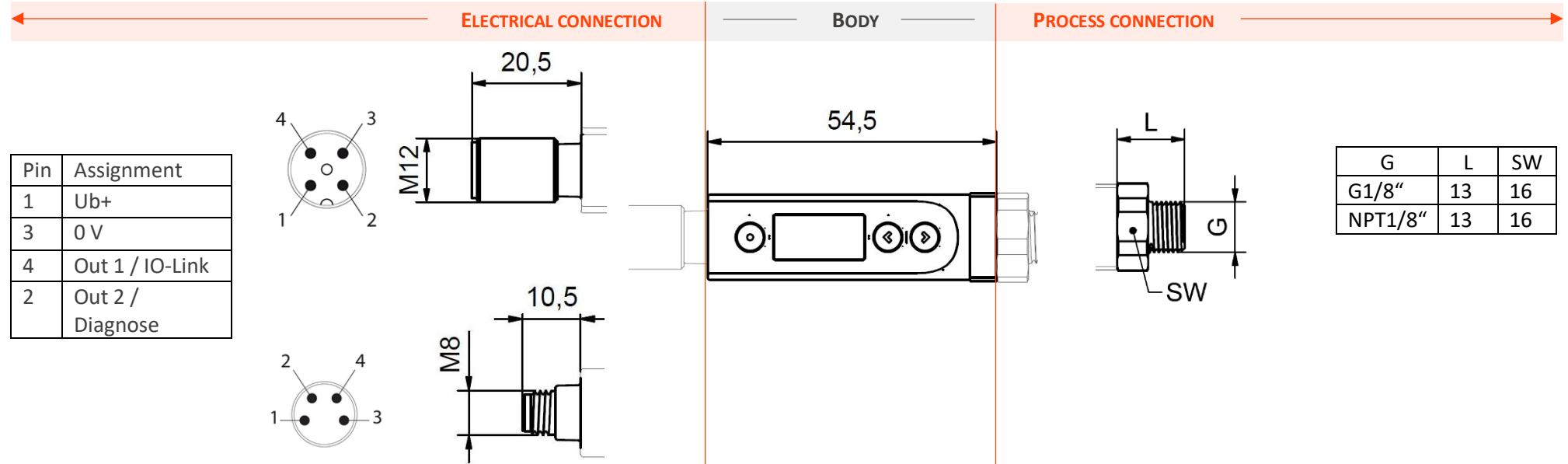


DATA SHEET | ENGLISH



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 8

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)	0...0.25	-1...0	-1...1	-1...3	-1...10	0...10	0...12
(psi)	0...3.62	-14.5...0	-14.5...14.5	-14.5...43.5	-14.5...145	0...145	0...174
max. overpressure* (bar)	0.5	2	6	15			
(psi)	7.25	29	87	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