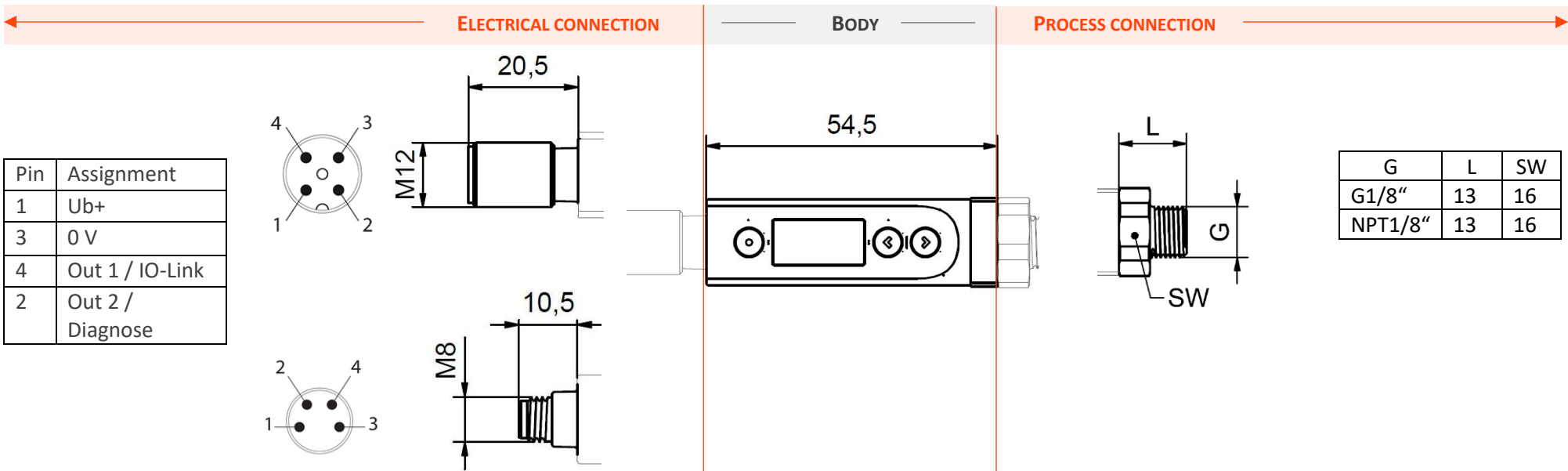


DATA SHEET | ENGLISH



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

Process connection

G1/8"

02

NPT1/8"

04

Electrical connection

M8

01

M12 4-pole

02

Output signal

2x PNP

03

2x NPN

on request

Firmware

Standard

00

Customized

>00

Pressure range

bar

psi

-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

-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. 200 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 (-25°C...85°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
(psi)	0...3.26
max. overpressure* (bar)	0.5
(psi)	7.25
	-1...0
	-14.5...0
	2
	29
	-1...1
	-14.5...14.5
	6
	87
	-1...3
	-14.5...43.5
	15
	217.6
	-1...10
	-14.5...145
	0...10
	0...145
	0...12
	0...174
Operating conditions	
Operating temperature	Operation: -25°...+85°C (UL: 0°...+60°C)
EMC / interference immunity	EN61000-6-2
EMC / interference emission	EN61000-6-4
UL approval	E511277

*overpressure not continuously allowed