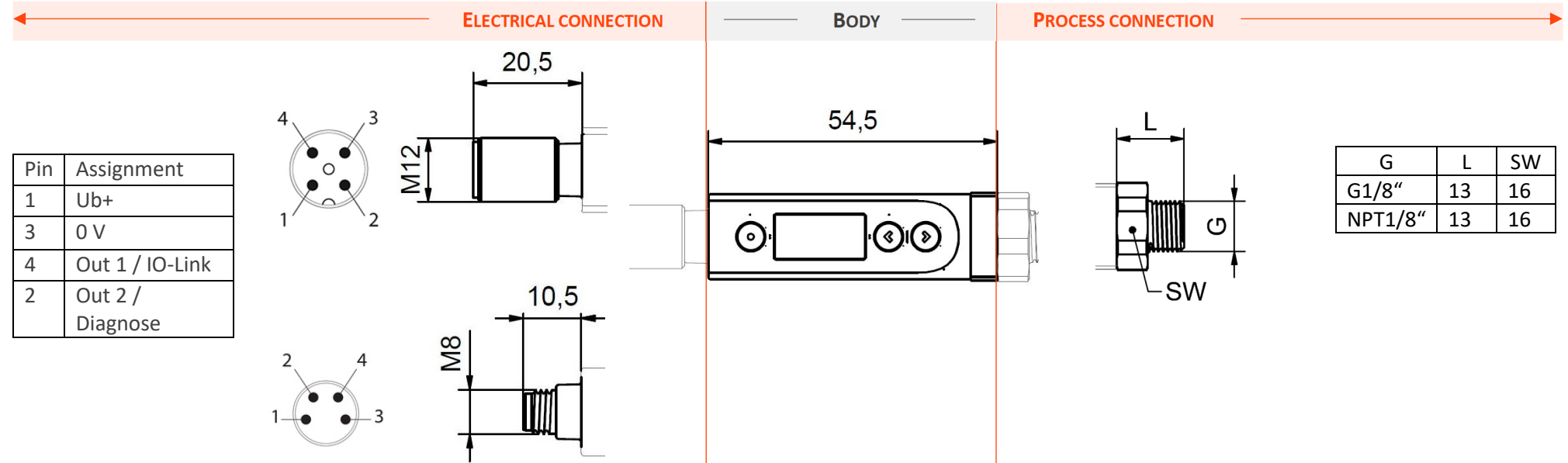


DATA SHEET | ENGLISH



| 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            |  |

| 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)<br>Storage: -20°...+85°C |
| EMC / interference immunity | EN61000-6-2   |
| EMC / interference emission | EN61000-6-4   |
| UL approval                 | E511277   |

\*overpressure not continuously allowed

