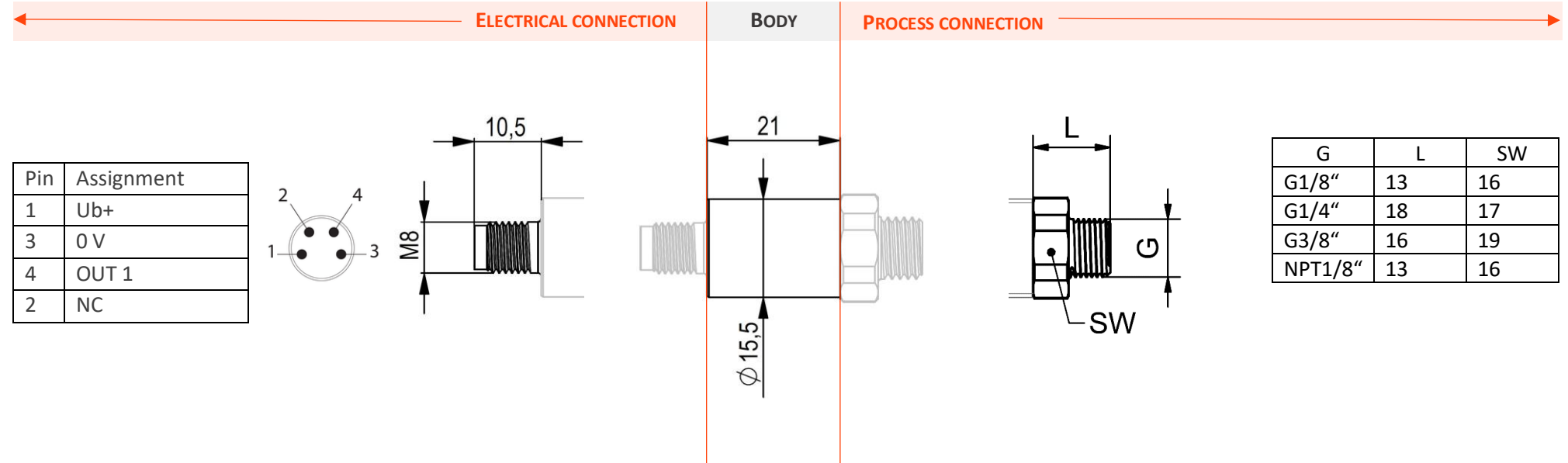


DATA SHEET | ENGLISH



| General data | |
|--|---|
| Operating medium | Filtered, dry or oiled air and non-corrosive gases |
| Protection class | IP67 |
| MTTF (40°C) | 2.176 years (4-20mA) 2.528 years (0-10V / 1-10V) |
| Ordering information | |
| 2 - 02 - <u>XX</u> X1 - <u>XX</u> 0 X 00 | |
| <i>Process connection</i> | <i>Version</i> |
| G1/8" a 01 | Standard 00 |
| NPT1/8" a 02 | Customer specific >00 |
| G1/4" a 04 | |
| G3/8" a 05 | |
| <i>Protection class</i> | <i>Pressure range (bar)</i> |
| IP54 4 | -1...0 1 |
| IP67 7 | -1...1 2 |
| | -1...10 3 |
| <i>Output signal</i> | 0...10 4 |
| 4...20 mA 01 | 0...12 5 |
| 1...10 V ** 02 | -1...3 6 |
| 0...10 V 03 | 0...6 7 |
| 1...5V 04 | 0...0.25 8 |

| Mechanical data | |
|---|---|
| Material housing | Stainless steel |
| Process connection | G1/8"; G1/4"; G3/8"; NPT1/8" |
| Material process connection | Brass nickel-plated |
| Mounting position | Any (port downwards when using oiled air) |
| Weight | 25 g |
| Electrical data | |
| Electrical connection | Connector M8, 4-pole After mounting, rotatable by 360° |
| Operating voltage | 9...30 VDC (4...20 mA); 14...30 VDC (1...10 V; 0...10 V; 1...5 V) (UL: class 2 source only) |
| Short-circuit / reverse polarity protection | yes / yes |
| Output signal | 4...20 mA; 1...10 V; 0...10 V; 1...5 V |
| Accuracy (23°C) | ± 0,5% BTL5 |
| max. temperature error | ± 1,5% FS (-10°C...70°C) |
| Repeatability | ± 0,2% FS |
| Long term drift | ≤ 0,1% / a |

| Pressure range | |
|-----------------------------|--|
| Measuring range | (bar) . 0...0,25 -1...0 -1...1 -1...3 0...6 -1...10 0...10 0...12 (psi) . 0...3,26 -14,5...0 -14,5...14,5 -14,5...43,5 0...87 -14,5...145 0...145 0...174 |
| max. overpressure* | (bar) . 0,5 2 6 10 15 (psi) . 7,25 29 87 145 217 |
| Operating conditions | |
| Operating temperature | Operation: -10°...70°C (UL: 0°...60°C) Fluid: 0°...+80°C (UL: 0°...60°C) Storage: -20°...+85°C |
| EMC / interference immunity | EN61000-6-2 DIN EN 50121-3-2:2017-11 |
| EMC / interference emission | EN61000-6-4 |
| Vibration resistance | DIN EN 60068-2-6: 20G, 10-2000 Hz, XYZ |
| Shock resistance | DIN EN 60068-2-27: 50G, 11ms, XYZ |
| UL approval | E511277 |
| LABS conformity | VDMA 24364-B1/B2/C1-L/W |

* overpressure not continuously allowed

** may not be available for every pressure range