

# Flow rate sensors for fluid media with an end value of 0...1 l/min | SDN 501/1 GSP-DYN

- Flow rate sensor with amplifier
- Robust, compact housing from glass fibre reinforced PBT
- For the detection of micro flow pulses

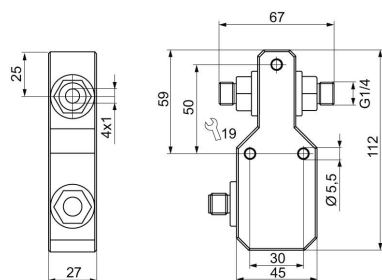


**G1/4 -micro flow pulses from 0,02 ml/100 ms - PNP-NO**

|                                            |                       |
|--------------------------------------------|-----------------------|
| <b>TYPE</b>                                | SDN 501/1 GSP-DYN     |
| <b>Product ID</b>                          | P11396                |
| <b>Medium</b>                              | Water, oil            |
| <b>Detection range</b>                     | 0 ... 0 ml/min        |
| <b>Detection range water ml/100ms min.</b> | 0.02 ml/100ms         |
| <b>Working range water min.</b>            | 0.02 ml/100ms         |
| <b>Process connection</b>                  | G1/4                  |
| <b>Sensor length L</b>                     | 68 mm                 |
| <b>Output</b>                              | switching output      |
| <b>Output function</b>                     | PNP-NO                |
| <b>Turn off delay</b>                      | 0,5...10 s adjustable |
| <b>Supply voltage</b>                      | 24 VDC +/- 20 %       |
| <b>Current consumption max.</b>            | 50 mA                 |
| <b>Switching current max.</b>              | 200 mA (20 °C)        |
| <b>Reverse polarity protection</b>         | ✓                     |
| <b>Voltage drop max.</b>                   | 2.5 V                 |
| <b>Ambient temperature</b>                 | 0 ... 60 °C           |
| <b>Medium temperature</b>                  | 0 ... 80 °C           |
| <b>Start-up time typ.</b>                  | 0 ... 15 s            |
| <b>Reaction time typ.</b>                  | 0.1 s (0 ... 0.1 s)   |

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| <b>Compressive strength</b>               | 20 bar                                                |
| <b>Material sensor touched by medium</b>  | stainless steel AISI 316 Ti                           |
| <b>Material housing</b>                   | stainless steel AISI 303, brass, PA, PBT              |
| <b>Protection [EN 60529]</b>              | IP 67                                                 |
| <b>Electrical connection</b>              | M12 connector                                         |
| <b>Accessories</b>                        | connecting cable SLG, SLW, SBG, SBW, mounting bracket |
| <b>Accessories (in scope of delivery)</b> | 4 x gasket G1/4 AFM 34, Screwdriver                   |

Technical Image



Pin Map

