

Flow rate sensors for fluid media with an end value of 0...1 l/min | SDN 503 GR

- Flow rate sensor with amplifier
- Robust, compact housing from glass fibre reinforced PBT
- Relay output
- Detection range 0,1...500 ml/min

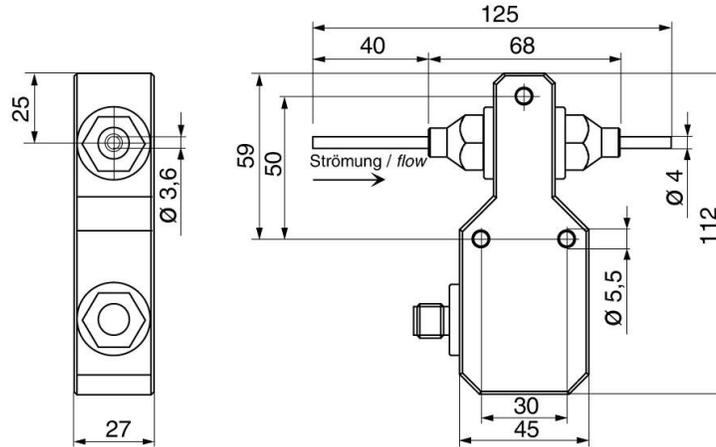
Rohrstutzen 4 mm - 0,1...500 ml/min - relay



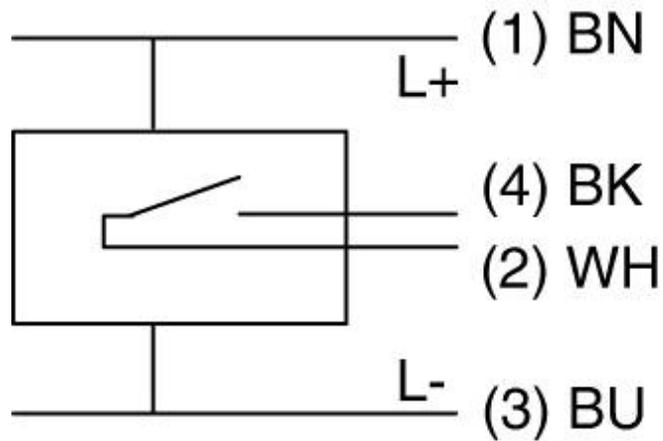
TYPE	SDN 503 GR
Product ID	P11277
Medium	water
Detection range	0.1 ml/min ... 500 ml/min
Working range	1 ml/min ... 200 ml/min
Inner diameter d	3.6 mm
Process connection	Rohrstutzen Ø 4 mm
Output	switching output
Output function	relay NO
Supply voltage	24 V DC +/- 10 %
Current consumption max.	50 mA
Switching voltage max.	30 V AC / 36 V DC
Switching current max.	1000 mA
Reverse polarity protection	✓
Ambient temperature	0 °C ... 60 °C
Medium temperature	0 °C ... 60 °C
Temperature gradient fluids	400 K/min
Start-up time typ.	5 s ... 60 s
Reaction time typ.	0.5 s ... 10 s
Compressive strength	1 bar

Material sensor touched by medium	stainless steel AISI 316 Ti
Material housing	PBT
Protection [EN 60529]	IP 67
Electrical connection	M12 connector
Accessories	connecting cable SLG, SLW, SBG, SBW, mounting bracket
Accessories (in scope of delivery)	screwdriver

Technical Image



Pin Map



Flow rate sensors for fluid media with an end value of 0...1 l/min | SDN 504 GA

- Flow rate sensor with amplifier
- Robust, compact housing from glass fibre reinforced PBT
- Analog output 4...20 mA
- Detection range 1...1000 ml/min

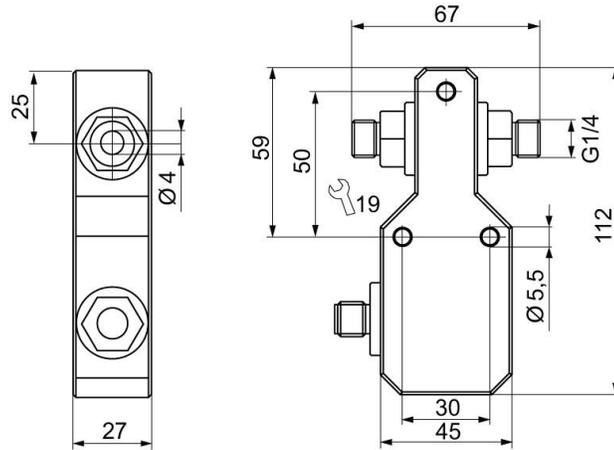
G1/4 - 0,001...1 l/min - 4...20 mA



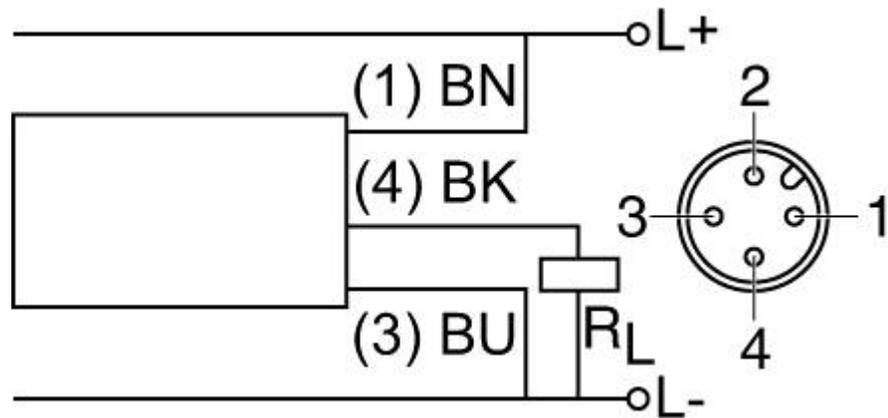
TYPE	SDN 504 GA
Product ID	P11249
Medium	water
Detection range	1 ml/min ... 1000 ml/min
Working range	15 ml/min ... 1000 ml/min
Inner diameter d	4 mm
Process connection	G1/4
Sensor length L	68 mm
Output	analog output 4...20 mA, non linear
Supply voltage	24 V DC +/- 10 %
Current consumption max.	50 mA
Load RL	200 Ω ... 500 Ω
Reverse polarity protection	✓
Ambient temperature	0 °C ... 60 °C
Medium temperature	0 °C ... 80 °C
Temperature gradient fluids	400 K/min
Start-up time typ.	5 s ... 15 s
Reaction time typ.	0.5 s ... 10 s
Compressive strength	20 bar
Material sensor touched by medium	stainless steel AISI 316 Ti

Material housing	PBT
Protection [EN 60529]	IP 67
Electrical connection	M12 connector
Accessories	connecting cable SLG, SLW, SBG, SBW, mounting bracket
Accessories (in scope of delivery)	4 x gasket G1/4 AFM 34, Screwdriver

Technical Image



Pin Map



Flow rate sensors for fluid media with an end value of 0...1 l/min | SDN 504 GSP

- Flow rate sensor with amplifier
- Robust, compact housing from glass fibre reinforced PBT

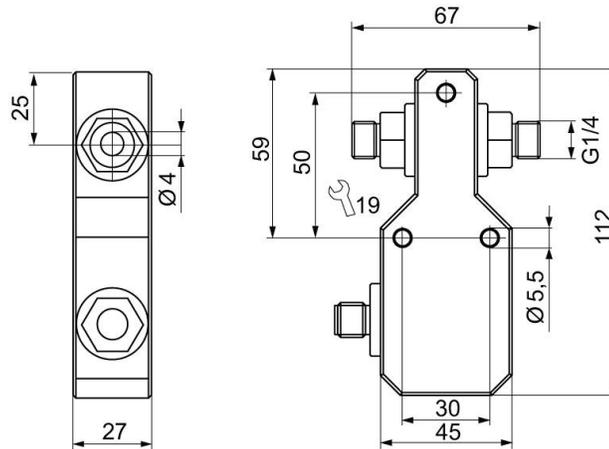


G1/4 -1...1000 ml/min - PNP NO

TYPE	SDN 504 GSP
Product ID	P11247
Medium	water
Detection range	1 ml/min ... 1000 ml/min
Working range	15 ml/min ... 1000 ml/min
Inner diameter d	4 mm
Process connection	G1/4
Sensor length L	68 mm
Output	switching output
Output function	PNP-NO
Supply voltage	24 V DC +/- 10 %
Current consumption max.	50 mA
Switching current max.	200 mA (20 °C)
Reverse polarity protection	✓
Voltage drop max.	2.5 V
Ambient temperature	0 °C ... 60 °C
Medium temperature	0 °C ... 80 °C
Temperature gradient fluids	400 K/min
Start-up time typ.	5 s ... 15 s
Reaction time typ.	1 s(0.5 s ... 10 s)
Compressive strength	20 bar

Material sensor touched by medium	stainless steel AISI 316 Ti
Material housing	PBT
Protection [EN 60529]	IP 67
Electrical connection	M12 connector
Accessories	connecting cable SLG, SLW, SBG, SBW, mounting bracket
Accessories (in scope of delivery)	4 x gasket G1/2 AFM 34, screwdriver

Technical Image



Pin Map

