

# Sensors with integrated amplifier | SN 450-A4-GRS

- Screw-in sensor for flow monitoring
- Robust, compact design
- With switching or analogue output
- Flow monitoring in rough and corrosive environments with heightened requirements for the stability and durability of a device

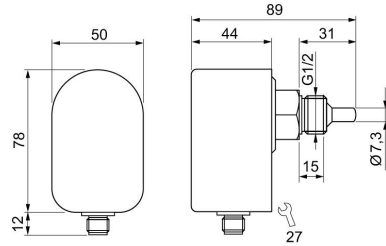
**G1/2 - sensor length 31 mm - 24 VDC - output relay - M12 plug system**



<b>TYPE</b>	SN 450-A4-GRS
<b>Product ID</b>	P11116
<b>Medium</b>	Water, oil
<b>Detection range water</b>	1 ... 150 cm/s
<b>Detection range Oil</b>	3 ... 300 cm/s
<b>Process connection</b>	G1/2
<b>Sensor length L</b>	31 mm
<b>Output</b>	switching output
<b>Output function</b>	relay NO
<b>Supply voltage</b>	24 VDC +/- 20 %
<b>Current consumption max.</b>	80 mA
<b>Switching voltage max.</b>	30 VAC / 36 VDC
<b>Switching current max.</b>	1 A AC / 1 A DC
<b>Switching power max.</b>	1000 VA / 60 W
<b>Reverse polarity protection</b>	✓
<b>Ambient temperature</b>	-20 ... 70 °C
<b>Medium temperature</b>	-20 ... 80 °C
<b>Temperature gradient fluids</b>	250 K/min
<b>Start-up time typ.</b>	8 s (2 ... 15 s)
<b>Reaction time typ.</b>	2 s (1 ... 13 s)
<b>Compressive strength</b>	100 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>Display flow</b>	LED-Array
<b>Protection [EN 60529]</b>	IP 67
<b>Electrical connection</b>	M12 connector
<b>Accessories (in scope of delivery)</b>	2 x gasket G1/2 AFM 34, screwdriver

Technical Image



Pin Map

