



# FLOW SENSOR GS300

DP-K-011-000020



The flow sensor GS300 monitors the lubricant flow from a metering point to the lubrication point, whereby the metering element only meters a small amount of lubricant for a short time.

## TECHNICAL DATA

<b>Measuring principle</b>	calorimetric / thermal
<b>Dosing quantities</b>	from 0.01 to 0.6 ccm <sup>3</sup> /pulse
<b>Clock frequency</b>	max. 4 pulses/min
<b>Lubricant</b>	oil (10 to 2000 mm <sup>2</sup> /s) and fluid grease of the NLGI classes 000, 00
<b>Operating pressure</b>	max. 40 bar
<b>Operating temperature</b>	+10° C to +50° C
<b>Type of installation</b>	directly in front of the lubrication point
<b>Vibration resistance</b>	20 g (DIN/IEC 68-2-27, 10–2000 Hz)
<b>Shock resistance</b>	50 g (DIN/IEC 68-2-27, 11 ms)

After switching on, the sensor requires a warm-up phase of approx. 30 seconds.

If lubricants with aggressive and/or abrasive additives are used, the sensor function may be impaired, and the sensor may be damaged.

## Electrical data

<b>Nominal voltage UN</b>	24 V DC
<b>Residual ripple</b>	10 %
<b>Workspace UA</b>	18 to 30 V DC
<b>Current consumption IE</b>	max. 25 mA
<b>Pulse output</b>	3 s
<b>Load current IA</b>	max. 10 mA
<b>Output protection</b>	short-circuit protection
<b>Built-in plug</b>	round connector with screw cap M12x1