

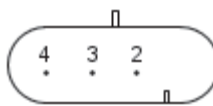


Inclination Transducer 30° NG 2166

NG2166 is a capacitive inclination sensor for fast data acquisition with integrated signal conditioning.

Type	NG2166
Measuring Range	±15 °
Resistance against Shock	>1000 g
Frequency Range ^{*1)}	0...20 Hz
Resolution	0,1 °
Operation Temperature	-40...+85 °C
Sensitivity Error ^{*2)}	<±2 %
Hysteresis ^{*2)}	nicht messbar
Linearität ^{*2)}	<±2% v.E.
Operation Voltage	4,5...5,5 VDC
Power Consumption	ca. 7 mA
Output Signal ^{*2)}	Spannung 0,5...4,5 V
Signal at 90° ^{*2)}	2,5 V
Resolution	133 mV/°
Enclosure	IP67

v.E. of Final Value
January 2011– subject to change



Connections:

Pin 2 Output
Pin 3 GND
Pin 4 Operating Voltage

$\alpha = 75^\circ + 7,5^\circ * (U_{out} - 0,5V)^{(*2)}$

α : Angle in °
Uout: Output Voltage

Housing is resistant against ^{*)}:

- Fuels
- Oils
- Salts
- a lot of Chemicals

^{*)} see Appnote 62/01

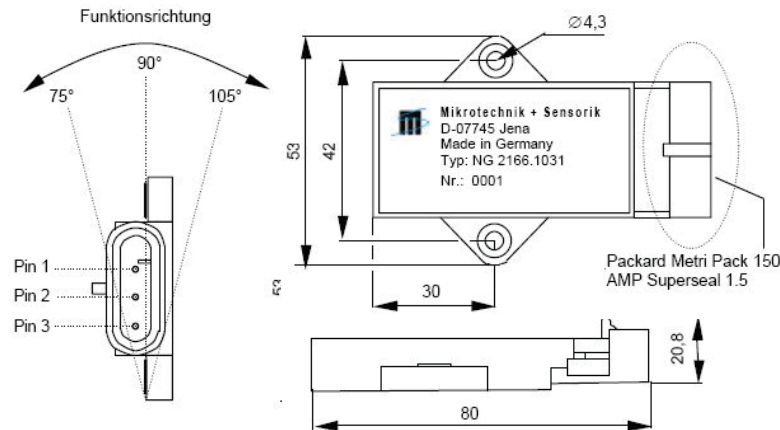
^{*1)} at max. 3dB Tolerance near of limit frequency

^{*2)} at Ub = 5V und 25°C

Order Information:

NG2166

Art.-No. 6212.05-5.01



Additional:

cable set 3-pol. 1m

Art.-No. 6503.01-5.01

cable set 3-pol. 1m SUNSTAR 传感器自动化 http://www.sensor-automation.com/ Art.-No. 6503.01-5.01/ TEL: 0755-83376489 FAX: 0755-83376182 E-MAIL: szss20@163.com