

Inclination Transducer 30° NG 2166

NG2166 is a capacitive Sensor for fast data acquisition with integrated Signal Conditioning.

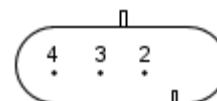
Type	NG2166
Measuring Range	±15 °
Resistance against Shock	>1000 g
Frequency Range ^{*1)}	0...20 Hz
Resolution	0,1 °
Operation Temperature	-40...+85 °C
Sensitivity Error ^{*2)}	<±2 %
Hysteresis ^{*2)}	nicht messbar
Linearität ^{*2)}	<±2% v.E.
Operation Voltage	4,5...5,5 VDC
Power Consumption	ca. 7 mA
Output Signal ^{*2)}	Spannung 0,5...4,5 V
Zero Signal at 90° ^{*2)}	2,5 V
Resolution	133 mV/°
Enclosure	IP66

v.E. of Final Value

July 2008– Changes possible

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

^{*2)} at Ub = 5V und 25°C



Connections:

Pin 2 Output
Pin 3 GND
Pin 4 Operating Voltage

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

α : Anglel in °
Uout: Output Voltage

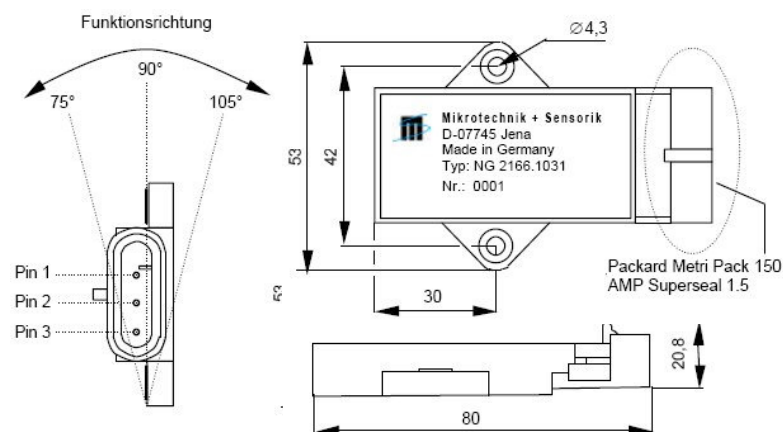
Housing is resistant against ^{*)}:

- Fuels
 - Oils
 - Salts
 - certain Chemicals
- ^{*)}please require list

Order Information:

NG2166.1031

Art.-No. 6212.05-5.01



Additional:

Cable Set 3-pol. 1m

Art.-No. 6503.01-5.01

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