



Inclination sensor

R360/INCLINOMETER/4-20mA



Product characteristics		
Number of measurement axes		1
Angular range	[°]	± 20
Application		
Function principle		static
Electrical data		
Operating voltage	[V]	11...15 DC
Current consumption	[mA]	< 35
Protection class		III
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of analogue outputs: 1
Outputs		
Output signal		analogue signal
Number of analogue outputs		1
Analogue current output	[mA]	4...20
Max. load	[Ω]	400
Overload protection		yes
Measuring/setting range		
Number of measurement axes		1
Angular range	[°]	± 20
Accuracy / deviations		
Accuracy	[°]	<±7; (the zero point error can be compensated for by adjusting the unit by ± 4°)



Inclination sensor

R360/INCLINOMETER/4-20mA

Repeatability	[°]	0,1
---------------	-----	-----

Operating conditions

Ambient temperature	[°C]	-30...85
Storage temperature	[°C]	-30...85
Protection		IP 67

Tests / approvals

MTTF	[years]	755
------	---------	-----

Mechanical data

Weight	[g]	189.9
Dimensions	[mm]	40.5 x 40.5 x 52.2
Materials		housing: PPO
Tightening torque	[Nm]	1.8
Installation position		vertical

Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

Cable: 0.2 m

Connector: 1 x M12; coding: A



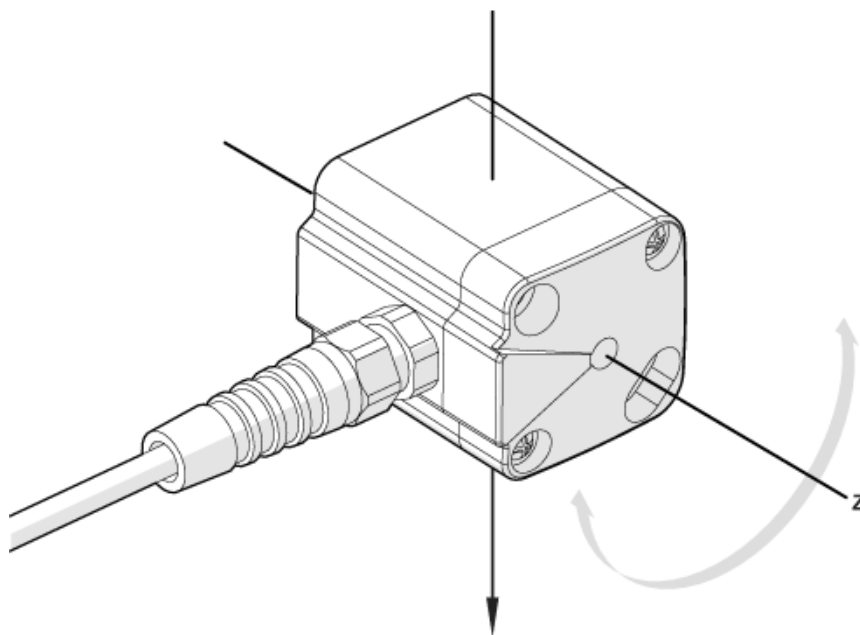
1	L+
2	not used
3	L-
4	analogue output

Inclination sensor

R360/INCLINOMETER/4-20mA

Diagrams and graphs

measuring and installation direction



vertical installation position / rotation about z-axis