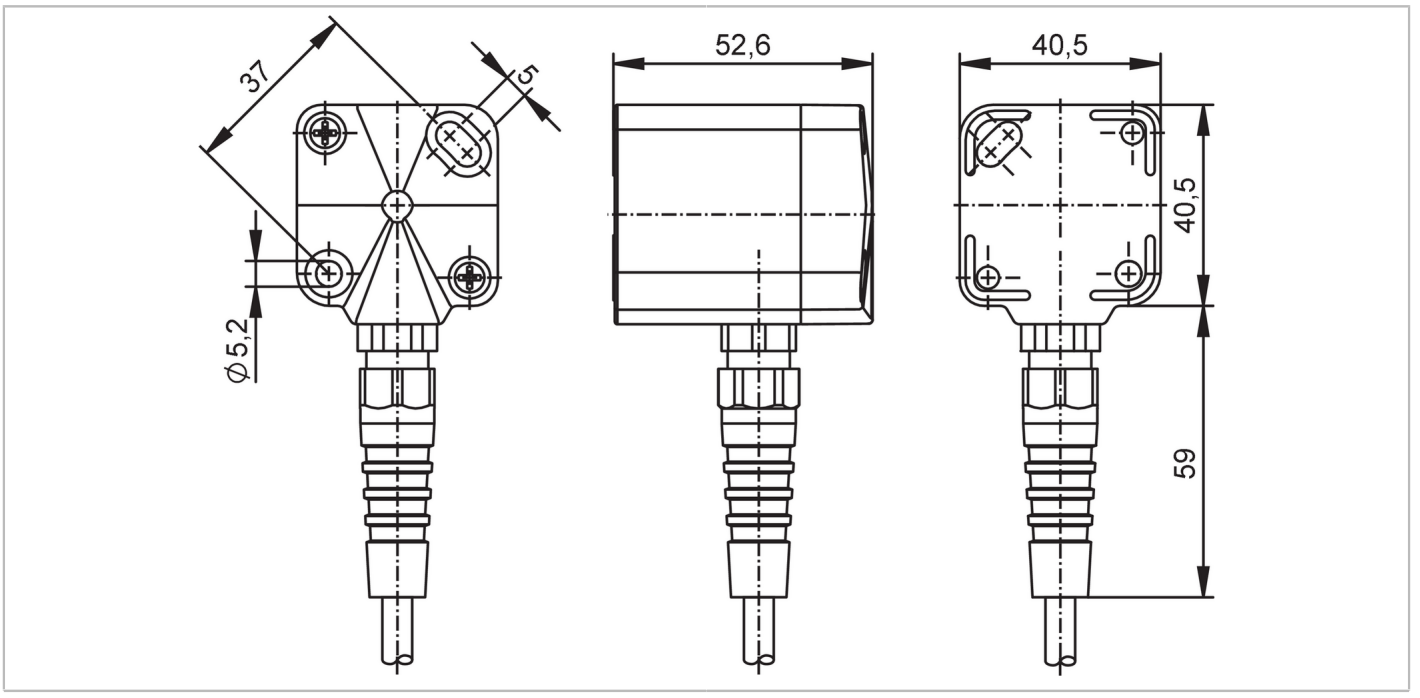
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Inclination sensor

R360/INCLINOMETER/4-20mA/II



Product characteristics		
Number of measurement axes		1
Angular range	[°]	± 90
Application		
Function principle		static
Application		industrial application; mobile applications
Electrical data		
Operating voltage	[V]	20...30 DC
Current consumption	[mA]	< 35
Protection class		III
Reverse polarity protection		yes
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of analogue outputs: 1
Outputs		
Output signal		analogue signal; (see characteristics)
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	[°]	± 90

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Accuracy / deviations			
Repeatability	[°]	0,1	
Operating conditions			
Ambient temperature	[°C]	-30...85	
Storage temperature	[°C]	-30...85	
Storage humidity	[%]	90; (non condensing)	
Protection		IP 67	
Tests / approvals			
EMC		EN 61000-4-2 ESD	4 kV
		EN 61000-4-3 HF radiated	10 V/m
		EN 61000-4-4 Burst	2 kV
		EN 61000-4-6 HF conducted	10 V
		EN 61000-6-3 noise emission	class B
Shock resistance		EN 60068-2-29	30 g 6 ms / 24000 shocks
Vibration resistance		DIN EN 60068-2-6	10 g (10...500 Hz) / 10 frequency cycles in 3 axes
		DIN EN 60068-2-64	(10...2000 Hz) / 32 hours in 3 axes
MTTF	[years]	755	
Mechanical data			
Weight	[g]	191.8	
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; Contacts: 4



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

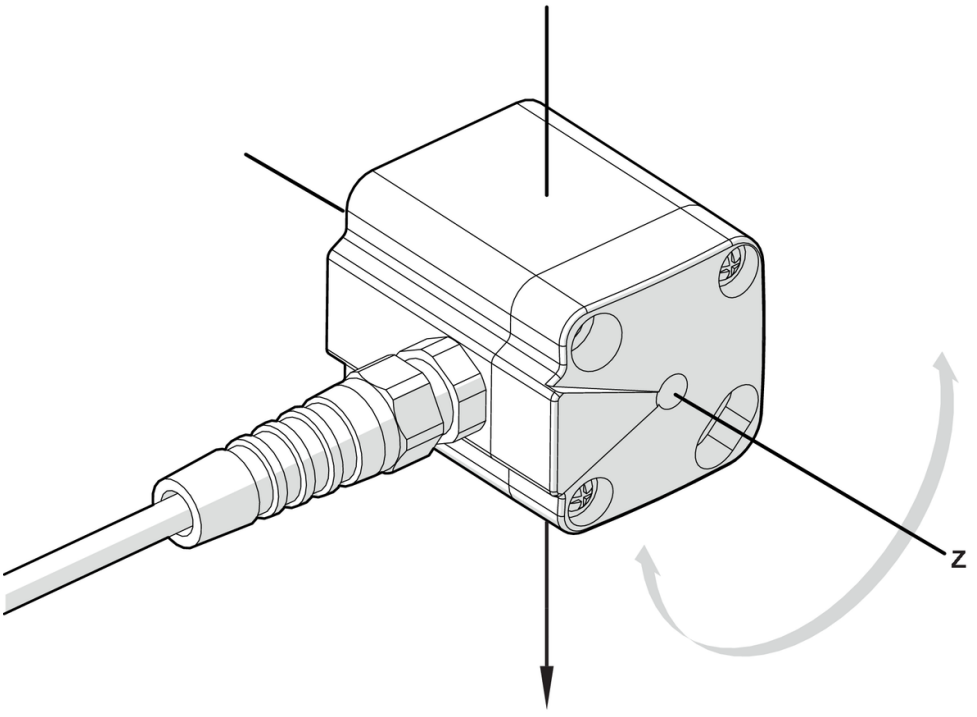
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Diagrams and graphs

measuring and installation direction



vertical installation position / rotation about z-axis