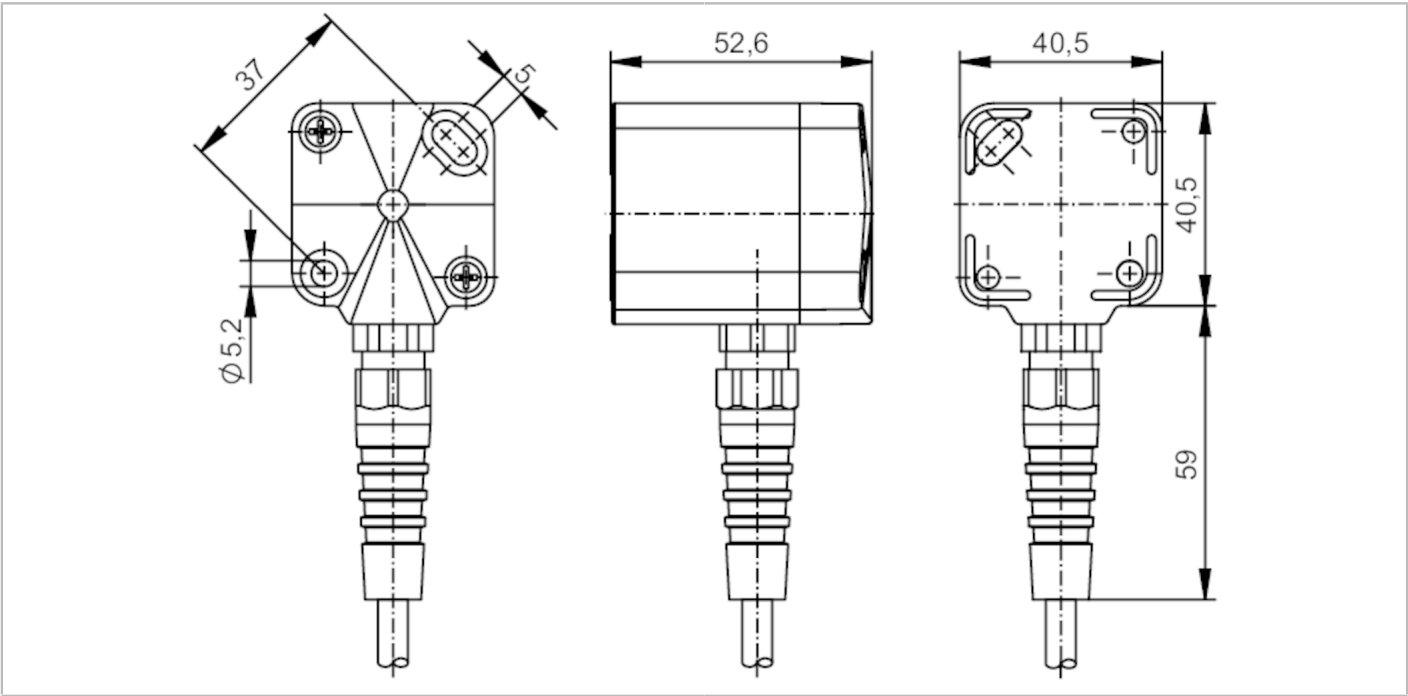


EC2060



Inclination sensor

R360/INCLINOMETER/4-20mA



Product characteristics		
Number of measurement axes		1
Angular range	[°]	± 20
Application		
Function principle		static
Application		Industrial applications; Mobile applications
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 analog outputs: 1
Outputs		
Output signal		analog signal; (see characteristics)
Number of analog outputs		1
Analog current output	[mA]	4...20
Max. load	[Ω]	400
Overload protection		yes
Measuring/setting range		
Number of measurement axes		1
Angular range	[°]	± 20

EC2060



Inclination sensor

R360/INCLINOMETER/4-20mA

Accuracy / deviations

Repeatability	[°]	0,1
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Operating conditions

Ambient temperature	[°C]	-30...85
Storage temperature	[°C]	-30...85
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]	158.55
Dimensions	[mm]	40.5 x 40.5 x 52.2
Material		housing: PPO
Tightening torque	[Nm]	1.8
Mounting orientation		vertical

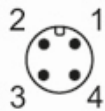
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 0.2 m

Connector: 1 x M12; coding: A



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

EC2060

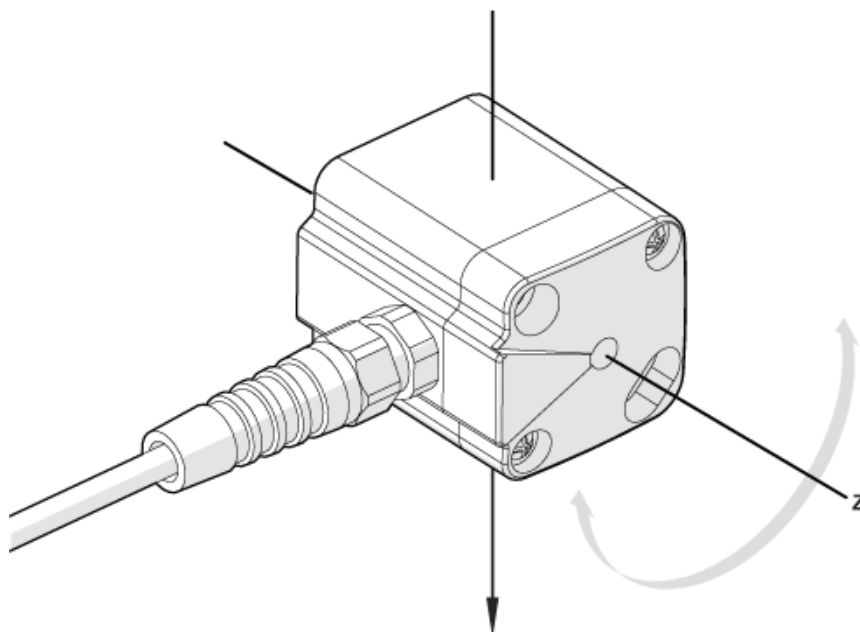


Inclination sensor

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Diagrams and graphs

measuring and installation direction



vertical installation position / rotation about z-axis