

SINGLE AXIS SENSOR PREMIUM-SERIES

PE-MH1023-MU-i

Inclination sensor with pendulum system and Hall sensor

- Pendulum system, oil-damped
- Angle measurement from 0°–360°
- Current output adjustable via keyboard

CE – konform

SIL
IEC 61508

PL
EN 13849



TECHNICAL DATA

Measuring system	magnetic via pendulum	Signal output	4–20 mA
Housing design	1023	Load current	max. 600 Ω
Housing material	aluminium, optionally stainless steel	Resolution	14 bit
Housing size	60 mm	Supply	18–33 V DC
Housing high	60 mm	Current consumption	<80 mA
IP code of housing up to	IP68	Temperature range	-30 °C up to +70 °C
Connection*	plug / cable	Temperature coefficient	0.1° / 10 K
Weight	400 g	EMV*	ISO 13766-1/-2, EN 61000-6-2/-15
Data logging	pendulum system	Vibration*	0–100 Hz, 4 g
Tilt angle	0°–360°	Shock*	5 g, 6 ms
Angular accuracy	±0.2°		
Version	single		

*Depending on customer specifications.

Article master number 5790Z03

Typical

APPLICATION AREAS



Ship



Rails



Construction machine



Logistics



Medicine



Industry

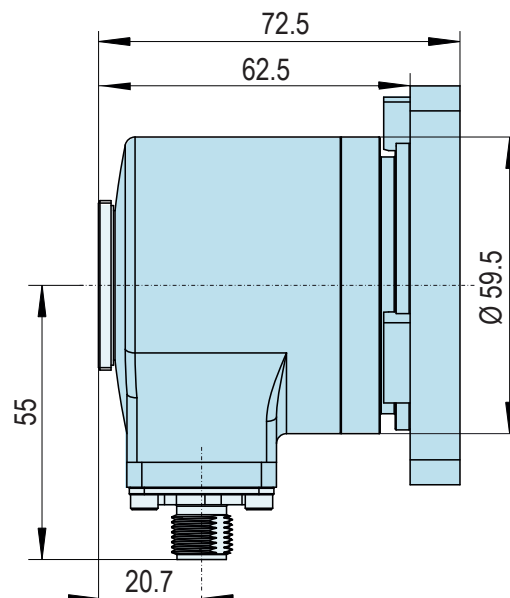
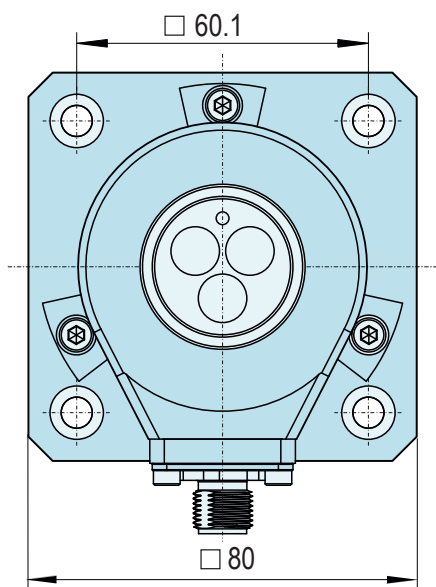
You can find more information about our inclination sensors here: fsg-sensors.de/neigungssensoren



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DIMENSIONAL DRAWINGS

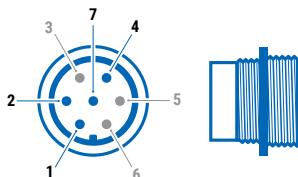


CONNECTION

MH1023-MU-Ex-IECEx

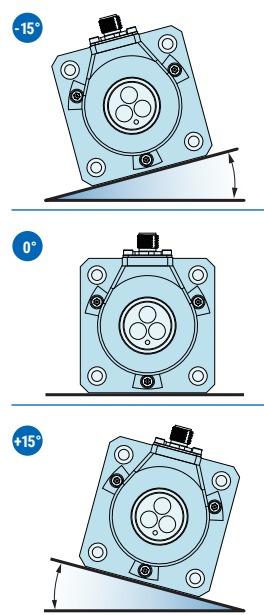
Signal output: 4–20 mA

PIN	Assignment
1	0 V DC
2	Supply 18–36 V DC
3	not connected
4	Output 4–20 mA
5	not connected
6	not connected
7	GND



MOUNTING POSITION

X-axis max. 0–360°



CONTACT

If you have any questions about this or any other FSG product, please do not hesitate to contact us.



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