

SINGLE AXIS SENSOR PREMIUM-SERIES

PE-MEMS-X-CAN-GS70

Electronic inclination sensor with CAN bus output

- Redundant measurement value acquisition for safety-relevant applications PLd / SIL2
- Angle accuracy up to 0.05°
- Robust aluminum housing with protection class up to IP68

CE – konform

SIL
IEC 61508

PL
EN 13248



TECHNICAL DATA

Measuring system	MEMS	Signal output	CAN-Bus
Housing design	GS70	Protocol	CANopen / CANopen-safety
Housing material	aluminium	Resolution	0,01° / Digit
Housing size	70 x 70 mm	Supply	9–42 V DC
Housing high	30 mm	Current consumption	<120 mA
IP code of housing up to	up to zu IP68	Temperature range	-30 °C up to +70 °C
Connection*	plug / cable	Temperature coefficient	0.05° / 10 K
Weight	300 g	EMV*	ISO 13766-1/-2, EN 61000-6-2/-7
Data logging	accelerometer	Vibration*	5–200 Hz, 4 g
Tilt angle	max. 0°–360°	Shock*	50 g, 6 ms
Angular accuracy	±0,1°	Optional: SIL, PLd	
Version	redundant	*Depending on customer specifications.	

Article master number 1885S7

Typical

APPLICATION AREAS



Ship



Rails



Construction
machine



Logistics



Medicine



Industry

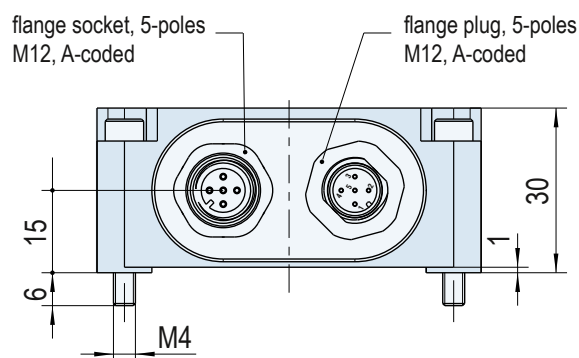
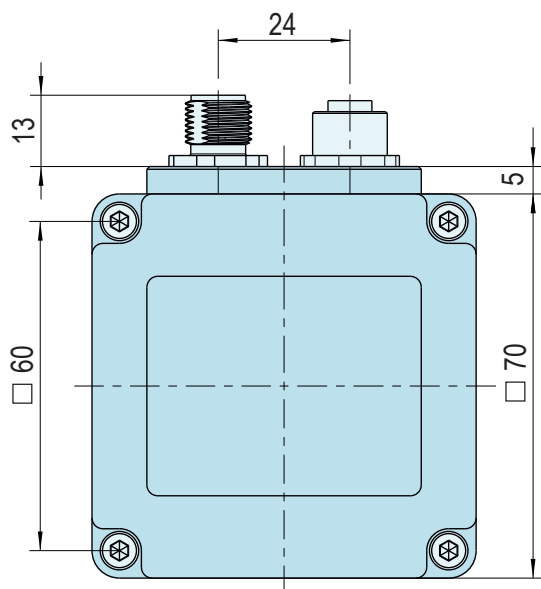
You can find more information about our inclination sensors here: fsg-sensors.de/neigungssensoren



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DIMENSIONAL DRAWINGS

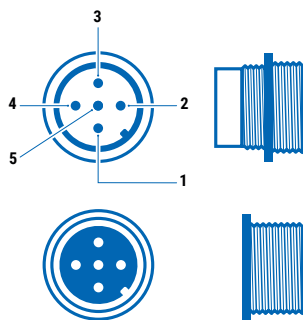


CONNECTION

MH1023-MU-Ex-IECEx

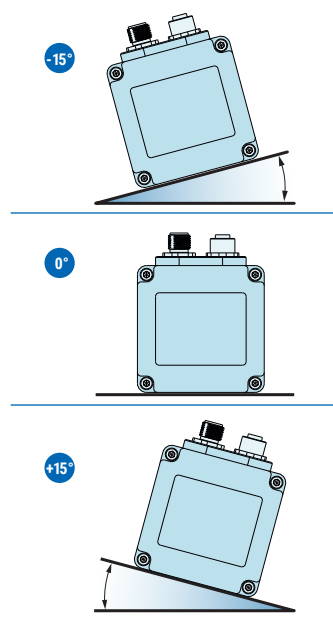
Signal output: 4-20 mA

PIN	Assignment
1	CAN SHLD
2	24 V DC
3	GND
4	CAN High
5	CAN Low



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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