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 13849

TECHNICAL DATA

Measuring system	MEMS
Housing design	GS70
Housing material	aluminium
Housing size	70 x 70 mm
Housing high	30 mm
IP code of housing up to	up to zu IP68
Connection*	plug / cable
Weight	300 g
Data logging	accelerometer
Tilt angle	max. 0°–360°
Angular accuracy	0.08°–0.7°
Version	redundant

Signal output	CAN-Bus
Protocol	CANopen / CANopen-safety
Resolution	0,01° / Digit
Supply	9–42 V DC
Current consumption	<120 mA
Temperature range	-30 °C up to +70 °C
Temperature coefficient	0.05° / 10 K
EMV*	ISO 13766-1/-2, EN 61000-6-2/-7
Vibration*	5–200 Hz, 4 g
Shock*	50 g, 6 ms

Optional:
SIL, PLd

**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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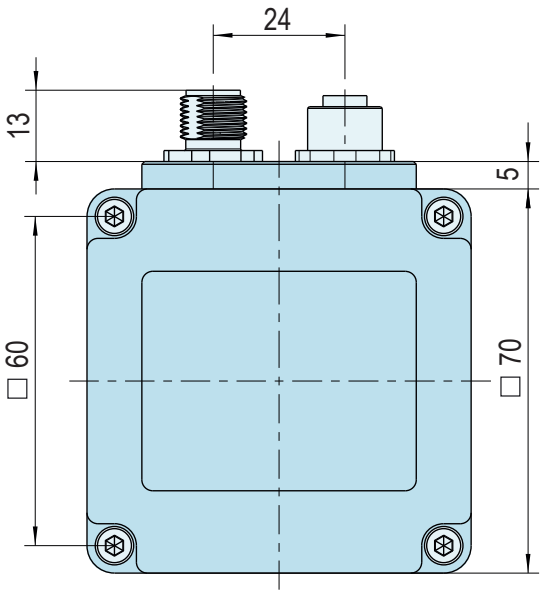
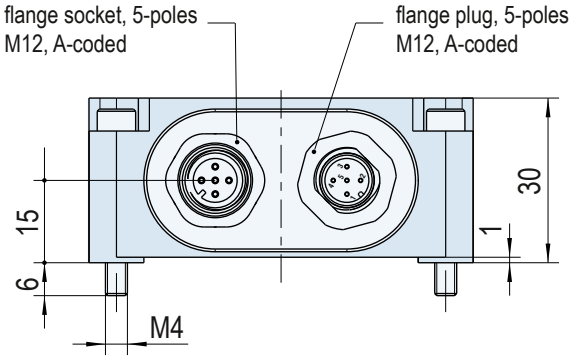
DIMENSIONAL DRAWINGS



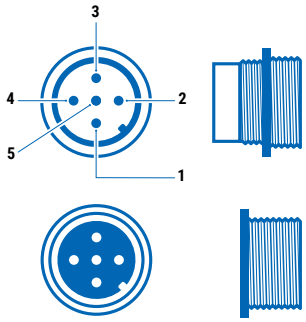


CONNECTION

MH1023-MU-Ex-IECEx

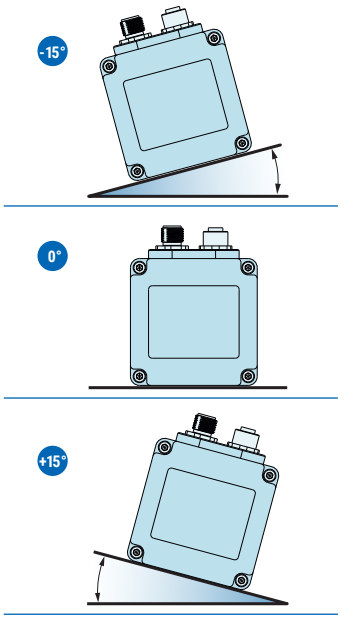
Signal output: 4–20 mA

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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DBL-PE-MEMS-X-CAN-GS70188SS7-17-01-25