

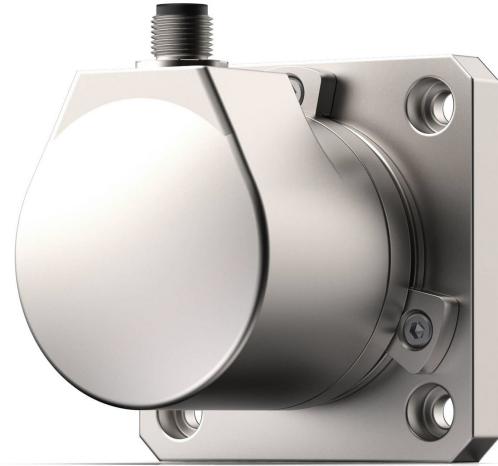
SINGLE AXIS SENSOR PREMIUM-SERIES

PE-MH1023-CAN

Inclination sensor with pendulum system and Hall sensor

- Pendulum system, oil-damped
- Angle measurement from 0°–360°
- Redundant measuring system optionally available

CE – konform



TECHNICAL DATA

| | | | |
|--------------------------|-----------------------|-------------------------|----------------------------------|
| Measuring system | magnetic via pendulum | Signal output | CAN-Bus |
| Housing design | 1023 | Protocol | CANopen |
| Housing material | Stainless steel | Resolution | 0,1° / Digit |
| Housing size | 60 mm | Supply | 9–33 V DC |
| Housing high | 60 mm | Current consumption | <80 mA |
| IP code of housing up to | IP65 | Temperature range | -30 °C up to +70 °C |
| Connection* | plug | Temperature coefficient | 0.1° / 10 K |
| Weight | 400 g | EMV* | ISO 13766-1/-2, EN 61000-6-2/-18 |
| Data logging | pendulum system | Vibration* | 0–100 Hz, 4 g / 5–200 Hz, 4 g |
| Tilt angle | max. -180.0° -179.9° | Shock* | 5 g, 6 ms / 50 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

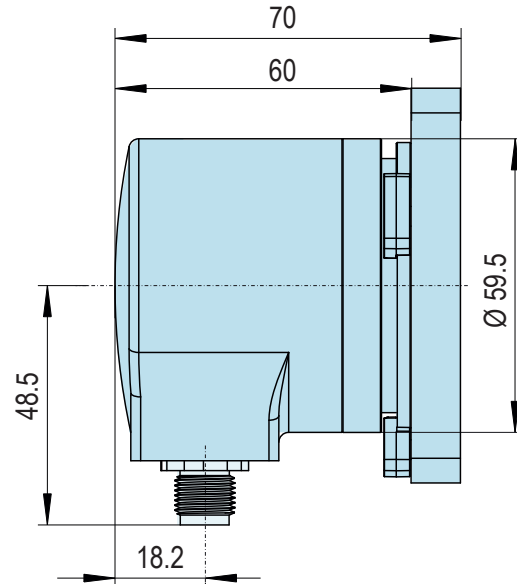
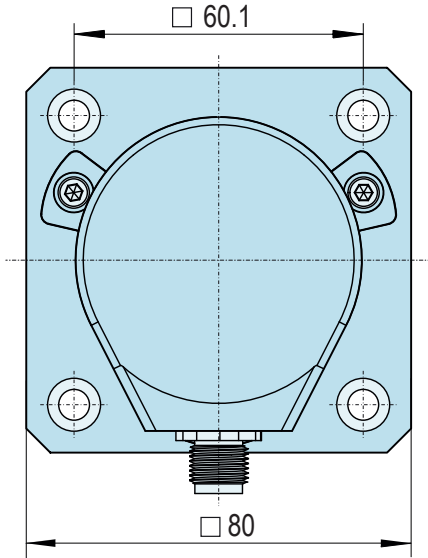
You can find more information about our inclination sensors here: fsg-sensors.de/neigungssensoren



SINGLE AXIS SENSOR PREMIUM-SERIES

PE-MH1023-CAN

DIMENSIONAL DRAWINGS

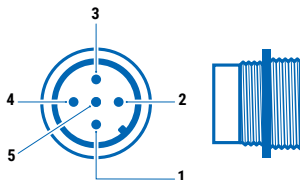


CONNECTION

MH1023-MU-Ex-IECEx

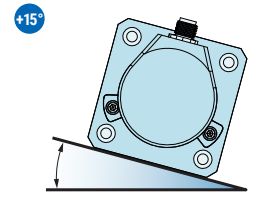
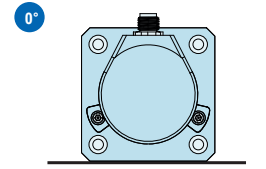
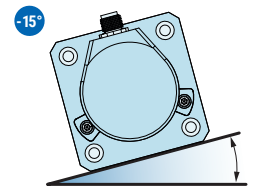
Signal output: 4-20 mA

| 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.

BERLIN (HQ)
Fernsteuergeräte Kurt Oelsch GmbH
Jahnstraße 68 + 70
12347 Berlin

✉ info@fsg-sensors.de
🌐 www.fsg-sensors.de
☎ +49 30 6291-1
📠 +49 30 6291-277

© Fernsteuergeräte Kurt Oelsch GmbH
No guarantee for the correctness, completeness of the contents. The product illustration may differ from original.