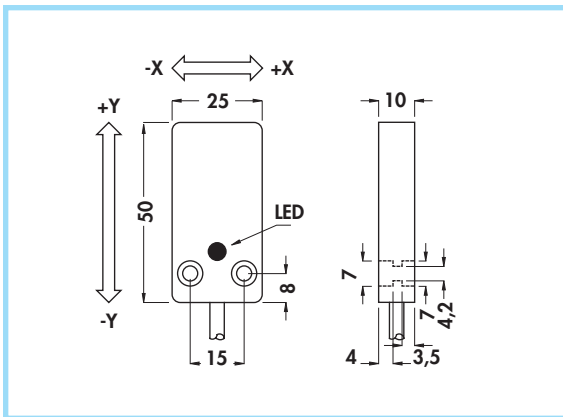


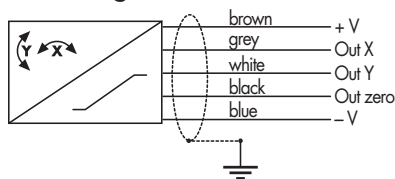
## 2 AXIS INCLINATION SENSORS (-60° ÷ + 60°) •

### Analog linear output •

### Cable output •

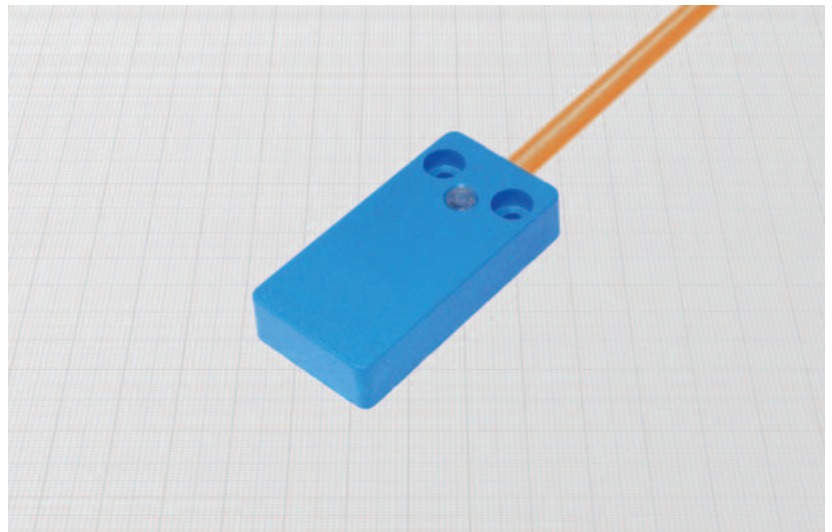


#### Connection diagram



#### Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C
- Housing: plastic



#### General Features:

These sensors give two output signals from 0,7 to 4,3 V proportional to the inclination of the X and Y axis respect the earth axis. An inclination of 0° gives on the outputs + 2,5 V respect to the negative of power supply (blue wire) or 0 V respect to the OUT zero.

Other outputs such as temperature and ON/OFF alarms, which are factory preset at specified thresholds, are available upon request.

#### Applications:

- Inclination control on lifting systems
- Vehicles inclination monitoring
- Feedback sensor on self-levelling systems

#### Technical data:

- Measuring range: -60° ÷ + 60°
- Resolution: 0,2°
- Supply voltage: 8 ÷ 30 Vdc
- Power consumption: ≤ 10 mA
- Output voltage range:
  - respect to -V: 0,7 ÷ 4,3 V
  - respect to Out zero: -1,8 ÷ +1,8 V
- Sensitivity: 0,03 V/°
- Max thermal drift: 4,5 m V/°C
- Output resistance: 100 Ω
- Response time: 0,1 sec
- Linearity: < 1% full scale
- Hysteresis: < 0,2% full scale
- Cross axis sensitivity: < ± 2%
- Maximum survival shock: 1000 g
- Working temperature: 0 ÷ 70° C
- Storage temperature: -20° ÷ 100° C
- Degree of protection: IP67
- Cable conductor cross section: 0,22 mm<sup>2</sup> + shield
- LED indication: green = supply voltage
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6
- Electromagnetic compatibility (EMC) according to EN61000-6-2/-4

Type	Cable diameter	ORDERING REFERENCES
	mm	
Biaxial	5	ISX/2660S