



- High resolution
- 1 and 2 axes measurement
- High accuracy
- Robust metal housing & IP67 protection
- MTTF value = 102 years
- M12 connector or cable output
- Programmable anti-vibration filter
- Integrated software diagnostic



IXA • IXB • IXC

### ENVIRONMENTAL SPECIFICATIONS

Shock:	acc. to EN60068-2-27
Vibrations:	acc. to EN60068-2-6
Protection:	IP67
Operating temperature range:	-40°C ÷ +85°C (-40°F + 185°F)
Storage temperature range:	-40°C ÷ +85°C (-40°F + 185°F)

### MECHANICAL SPECIFICATIONS

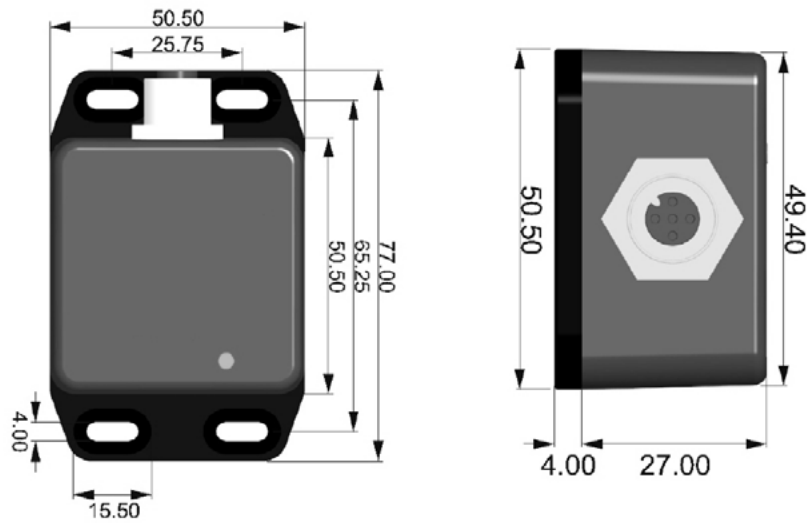
Dimensions:	see drawing
Housing material:	die cast aluminium alloy
Electrical connections:	M12 plug 5 pin, cable 1 m

### ELECTRICAL SPECIFICATIONS

IXA:	accuracy: $\pm 0,5$ deg max. temperature drift: $\pm 0,01$ deg/°C measurement range: $\pm 5$ deg ÷ $\pm 30$ deg output circuit: 0,5 ÷ 4,5V, 4 ÷ 20mA sampling rate: 500 ms
IXB1, IXB2:	resolution: 0,001° max., programmable accuracy: IXB1: typ. $\pm 0,05^\circ$ max. $\pm 0,15^\circ$ , IXB2: typ. $\pm 0,2^\circ$ max. $\pm 0,5^\circ @ \pm 30^\circ$ measurement range: from $\pm 5^\circ$ to $\pm 60^\circ$ max. $\pm 180^\circ$ or 0-360° (IXB1) output circuit: CANopen DS301, DSP410 baudrate: up to 1000 kHz (programmable)
IXC1, IXC2:	resolution: 0,01° max., programmable accuracy: typ. $\pm 0,2^\circ$ max. $\pm 0,5^\circ$ temperature drift: $\pm 0,02$ deg/°C measurement range: IXC1: 0-360 deg, IXC2: $\pm 60$ deg output circuit: CANopen DS301, DSP410 sampling rate: 550 S/s baudrate: 10 - 1000 kbaud (programmable)
Power supply:	+7Vdc +40Vdc
Power consumption:	45 mA max.
Protection:	against inversion of polarity
EMC:	acc. to EN 61000-6-3, EN 61000-6-2
Functions:	programmable antivibration filter

### MATERIALS

Housing material:	die cast aluminium alloy
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IXA • IXB • IXC

Order code - Analogue version

IXA	-	XXX Ⓐ	-	XX Ⓑ	-	XX Ⓒ	-	/Sxxx Ⓓ
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<p>Ⓐ OUTPUT</p> <p>AV1 = 0,5-4,5V (2 axes)</p> <p>AI1 = 4-20mA (2 axes)</p>	<p>Ⓑ MEASURING RANGE</p> <p>05 = ±5°</p> <p>10 = ±10°</p> <p>15 = ±15°</p> <p>30 = ±30°</p>	<p>Ⓒ CONNECTION</p> <p>L1 = cable 1 m (standard)</p> <p>Lx = cable x m (length on request)</p> <p>M = M12 5 pin connector</p>	<p>Ⓓ CUSTOM VERSION</p>
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Order code - CANopen

IXB1 IXB2	-	XX Ⓐ	-	XXX Ⓑ	-	X Ⓒ	-	/Sxxx Ⓓ
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<p>Ⓐ OUTPUT</p> <p>CB = CANopen</p>	<p>Ⓑ MEASURING RANGE</p> <p>360 = 360° (1 axis), ±60° (2 axes) - only IXB1</p> <p>60 = ±60° (2 axes) - only IXB2</p>	<p>Ⓒ CONNECTION</p> <p>M = M12 5 pin connector</p>	<p>Ⓓ CUSTOM VERSION</p>
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Order code - CANopen

IXC1 IXC2	-	XX Ⓐ	-	XXX Ⓑ	-	X Ⓒ	-	/Sxxx Ⓓ
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<p>Ⓐ OUTPUT</p> <p>CB = CANopen</p>	<p>Ⓑ MEASURING RANGE</p> <p>360 = 360° (1 axis) - only IXC1</p> <p>60 = ±60° (2 axes) - only IXC2</p>	<p>Ⓒ CONNECTION</p> <p>M = M12 5 pin connector</p>	<p>Ⓓ CUSTOM VERSION</p>
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