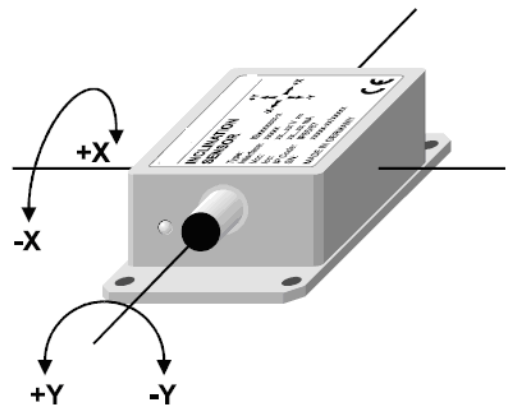
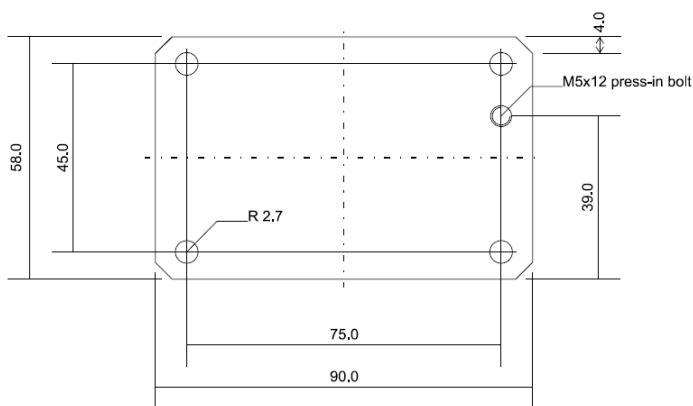


Serie MR404



- 1- und 2-dimensional inclination sensor with measurement range $\pm 10^\circ / \pm 45^\circ / \pm 60^\circ$
- High resolution and accuracy
- 0...10V voltage interface
- Robust, simply mountable ABS-housing
- Temperature range -40°C to $+80^\circ\text{C}$
- Application:
 - Industry automation
 - Agricultural and forestry machines
 - Utility vehicles
 - Crane and hoisting technology

Outline drawing



Order key	Inclination Sensor
Type	MR404

General Parameters

Measurement axes	1 Achse, 2 Achsen
Measurement ranges	$\pm 10^\circ / \pm 45^\circ / \pm 60^\circ$
Resolution (at zero point)	0,01° / 0,05° / 0,05°
Calibration accuracy (at 25° C)	$\pm 0.3^\circ / \pm 0.5^\circ / \pm 0.5^\circ$ (zero point and accumulated values)
Nonlinearity (sine)	max. $\pm 0.2^\circ / \pm 0.3^\circ / \pm 0.4^\circ$
Temperature coefficient (zero point)	max. $\pm 0,009 \text{ }^\circ\text{K} / \pm 0,009 \text{ }^\circ\text{K} / \pm 0,009 \text{ }^\circ\text{K}$
Critical frequency	typ. 18 Hz

Characteristics

Interface	voltage output 0...10V
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Electrical Parameters

Supply voltage	15 V DC to 30 V DC
Current consumption	max. 50mA

Mechanical Parameters

Connector	sensor connector 5-pole (M12)
Degree of protection	IP65/67
Shock survival	max. 3.500g
Dimensions	58mm x 90mm x 31mm
Mass	about 200 g

Serie MR404

Plug Connector Allocation:

- 1 = Supply voltage
- 2 = Sensor signal Y-axis
- 3 = GND
- 4 = Sensor signal X-axis
- 5 = Reference potential for sensor signal

