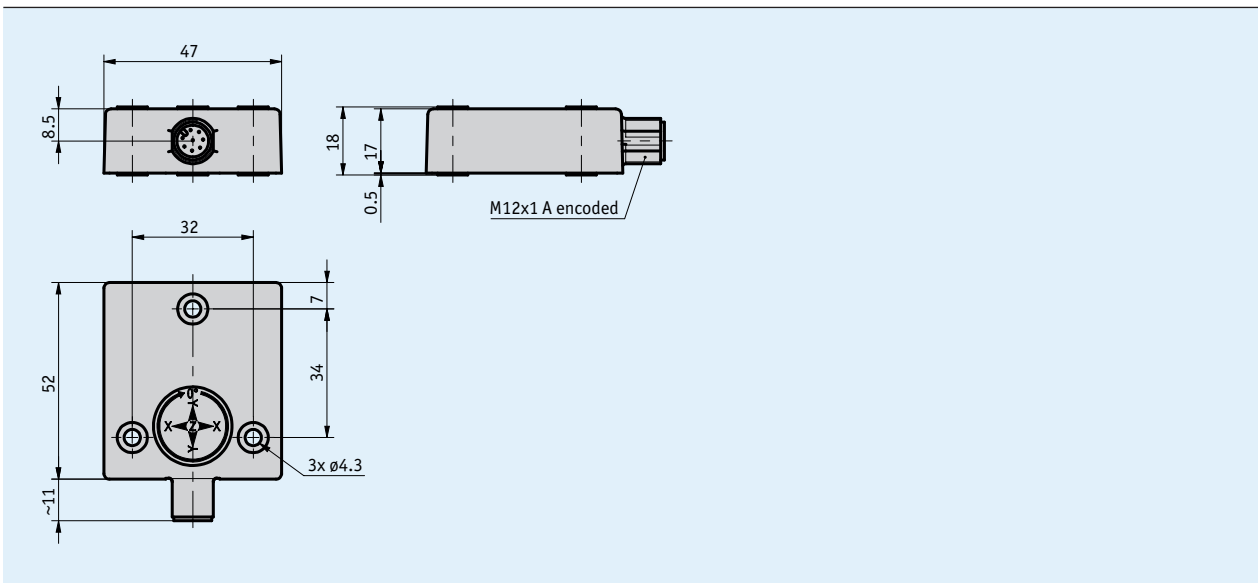


## Profile

- Single-axis absolute inclinometer 0 ... 360°; biaxial absolute inclinometer -80° ... +80° und -80° ... +80°
- Accuracy  $\pm 0.5^\circ$ ; Resolution 0.01°
- RS232+I, CANopen interfaces
- Temperature-compensated
- IP69K, IP68 protection category
- Programmable parameters (resolution, preset, software filter)
- Teach-in function (Limiting of measurement range, zero-point setting or change of direction)



## Mechanical data

Feature	Technical data	Additional information
Housing	PBT glass-fiber reinforced	
Weight	~0.075 kg	

## Electrical data

Feature	Technical data	Additional information
Operating voltage	10 ... 30 V DC	
Power input	$\leq 0.7$ W	
Interface	Z = 0 ... 10 V, 0° = 0 V, load $\leq 1$ mA	0-10V (1 axis)
	X and Y = 0 ... 10 V, 0° = 5 V, load $\leq 1$ mA	0-10V (2 axes)
	Z = 4 ... 20 mA, 0° = 4 mA, load $\leq 270$ R	4-20mA (1 axis)
	X and Y = 4 ... 20 mA, 0° = 12 mA, load $\leq 270$ R	4-20mA (2 axes)
Accuracy	$\pm 0.5^\circ$	at -10 °C ... 40 °C
Cut-off frequency	100 Hz (without filter)	

## System data

Feature	Technical data	Additional information
Resolution	0.01°	
Measuring range	360°	1 axis
	X and Y = -80 ... 80°	2 axes

## Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	-40 ... 85 °C	
Relative humidity	100 %	condensation admissible
EMC	EN 61000-6-2	interference resistance / immission
	EN 61000-6-4	emitted interference / emission
Protection category	IP67	EN 60529, with mounted mating connector
Shock resistance	≤1000 m/s <sup>2</sup> , 6 ms	EN 60068-2-27
Vibration resistance	1.5 mm, 10 ... 58 Hz	EN 60068-2-6
	≤200 m/s <sup>2</sup> , 58 Hz ... 2 kHz	EN 60068-2-6

## Pin assignment

Signal (1 axis)	Signal (2 axes)	Pin
+UB	+UB	1
nc	nc	2
nc	nc	3
GND	GND	4
Z-axis output U/I	X-axis output U/I	5
SET1	SET1	6
nc	Y-axis output U/I	7
nc	nc	8

## Order

### Ordering table

Feature	Ordering data	Specification	Additional information
Number of axes	1	0 ... 360°	
	2	X -80 ... +80°, Y -80 ... +80°	
Interface	0-10V	0 ... 10 V voltage output	
	4-20mA	4 ... 20 mA current output	

### Order key

IK360L -    -   

A                      B

**Scope of delivery:** IK360L, Fastening set

#### Accessories:

Electronic display MA50	<a href="http://www.siko-global.com">www.siko-global.com</a>
Cable extension KV05S0	<a href="http://www.siko-global.com">www.siko-global.com</a>
Cable extension KV08S3	<a href="http://www.siko-global.com">www.siko-global.com</a>
Mating Connector Overview	<a href="http://www.siko-global.com">www.siko-global.com</a>
Mating connector, 5-pole, socket	Order key 84109
Mating connector, 5-pole, angle socket	Order key 83006
Mating connector, 8-pole, socket	Order key 83525