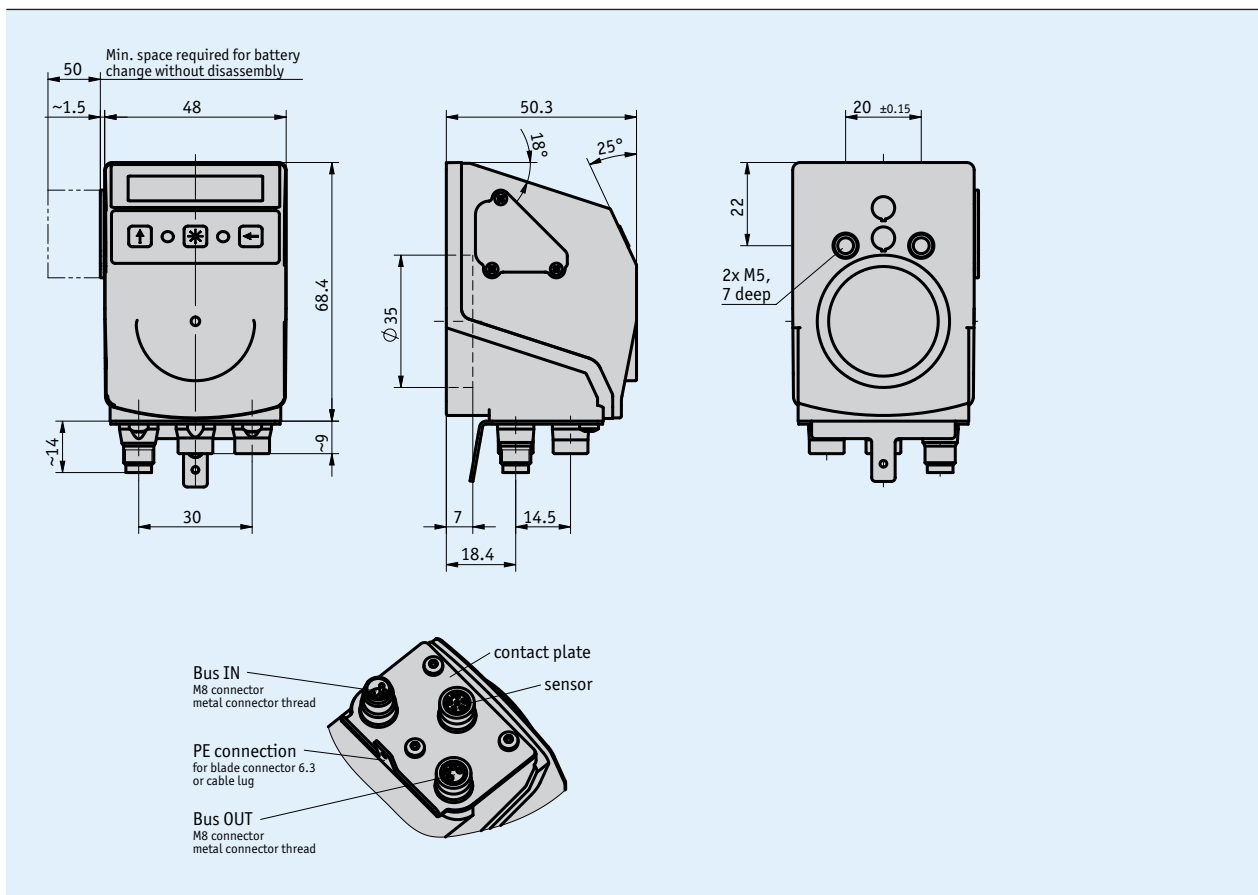


## Profile

- Electronic position indicator with plug connection for magnetic sensor
- Optimally readable backlit display
- Two-line LCD for target and actual values
- Reset, incremental measurement, offset via keyboard
- Integrated RS485 interface, CAN bus as an option
- Display accuracy up to 0.01 mm
- Absolute function via internal backup
- User guidance via bicolor status LEDs
- IP53 type of protection, IP65 as an option



## Mechanical data

Feature	Technical data	Additional information
Housing	reinforced plastic	metal plug thread
Color	black, RAL 9005	

## Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC $\pm 20\%$	
Current consumption	$\sim 30$ mA	additional $\sim 3$ mA per LED when operated with LEDs
Battery service life	$\sim 5$ year(s)	
Display/display range	6-digit LCD 14-segment, $\sim 8$ mm height	decimal points, 2 rows, special characters (backlit LED red/white)
Special character	cw arrow, ccw arrow, incremental measurement, battery	
Status display	2x two-color LED (red/green)	position status, configurable
Keys	incremental measurement function, parameterizing, resetting	
Bus connection	RS485; CANopen	no galvanic isolation
Type of connection	2x M8-plug connectors (A-coded) 1x M8 plug connector (A-coded)	4-pole, 1x socket, 1x pin 6-pole, 1x socket (sensor)
	grounding via flat male tab 6.3 mm or terminal lug	

## System data

Feature	Technical data	Additional information
Scanning	external sensor	
Resolution	720 increments/revolution 0.01 mm	displayed value/rotation freely configurable (use with GS04) use with MS500H
System accuracy	$\pm 35$ $\mu$ m	use with MS500H
Measuring range	$\pm 655$ m $\leq 14562$ revolution(s)	use with MS500H use with GS04

## Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	0 ... 60 °C	
Storage temperature	-20 ... 80 °C	
Relative humidity		condensation inadmissible
EMC	EN 61000-6-2 EN 61000-6-4	interference resistance / immission emitted interference/emission
Protection category	IP53 IP65	EN 60529, only with mating connector EN 60529, only with mating connector
Shock resistance	500 m/s <sup>2</sup> , 11 ms	EN 60068-2-27
Vibration resistance	100 m/s <sup>2</sup> , 5 ... 150 Hz	EN 60068-2-6

## Pin assignment

### ■ Interfaces

RS485	CAN bus	PIN
TxRx-/DÜB	CANL	1
TxRx+/DÜA	CANH	2
+24 V DC	+24 V DC	3
GND	GND	4

## Order

### Ordering information

One or more system components are required:

Magnetic sensor MS500H PL  
Hollow shaft sensor GS04

[www.siko-global.com](http://www.siko-global.com)  
[www.siko-global.com](http://www.siko-global.com)

### Ordering table

Feature	Ordering data	Specification	Additional information
Interface/protocol	S3/09	A RS485/SIKONETZ5	
	CAN	A CANopen	
Protection category	IP53	B IP53	
	IP65	B IP65	
Viewing window	SF	C front foil	
	K	C plastic	impact protection

### Order key

AP10S - A - B - EX - C - S

**Scope of delivery:** AP10S, Mounting instructions, Documentation on CD

#### Accessories:

Cable extension KV04S1 [www.siko-global.com](http://www.siko-global.com)  
 Easy Touch Control ETC5000 [www.siko-global.com](http://www.siko-global.com)  
 Mating Connector Overview [www.siko-global.com](http://www.siko-global.com)  
 Mating connector, 4-pole, socket Order key 84209  
 Mating connector, 4-pole, pin Order key 84210  
 Bus terminating connector, 4-pole, pin Order key BAS-0005