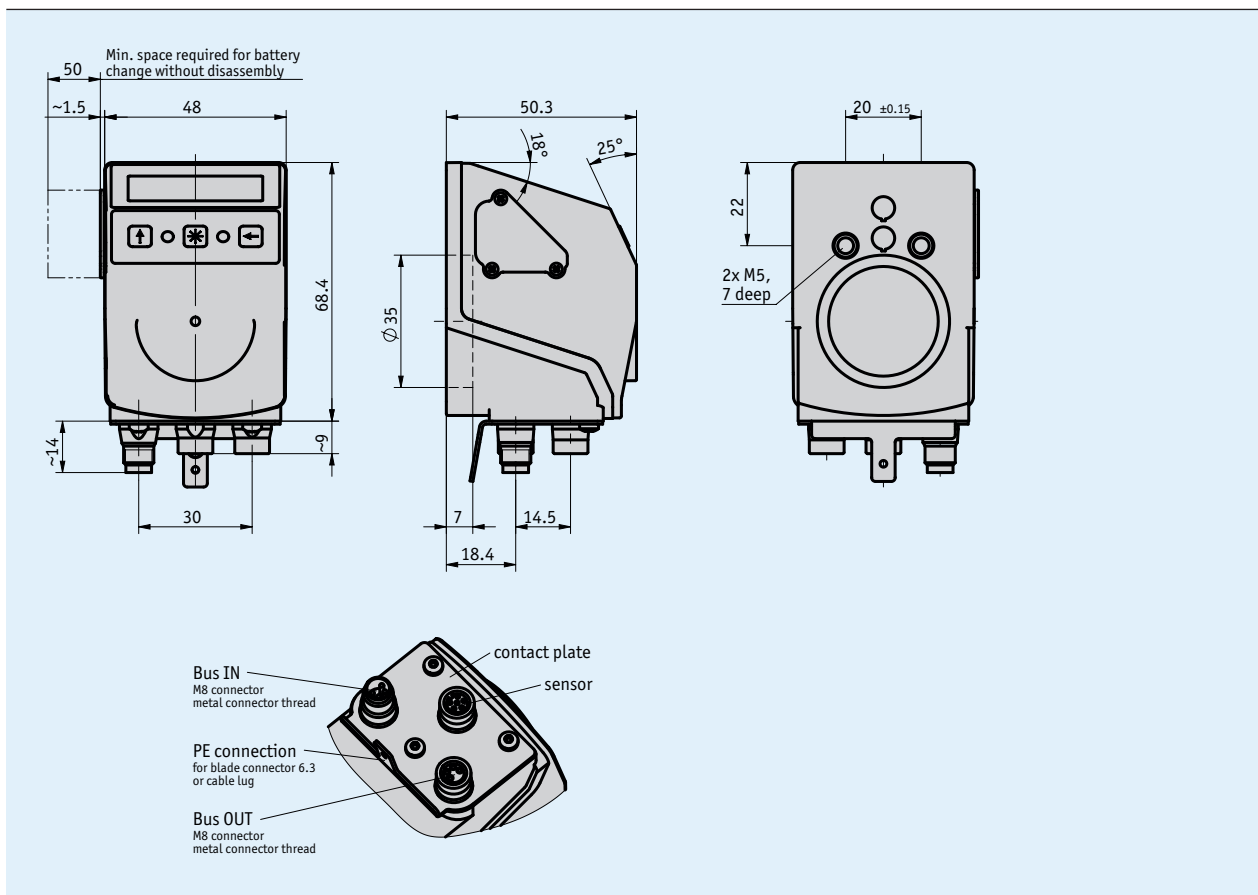


Profile

- 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	~ 30 mA	additional ~ 3 mA per LED when operated with LEDs
Battery service life	~ 5 year(s)	
Display/display range	6-digit LCD 14-segment, ~ 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	± 35 μ m	use with MS500H
Measuring range	± 655 m ≤ 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 ² , 11 ms	EN 60068-2-27
Vibration resistance	100 m/s ² , 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
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
Easy Touch Control ETC5000 www.siko-global.com
Mating Connector Overview 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