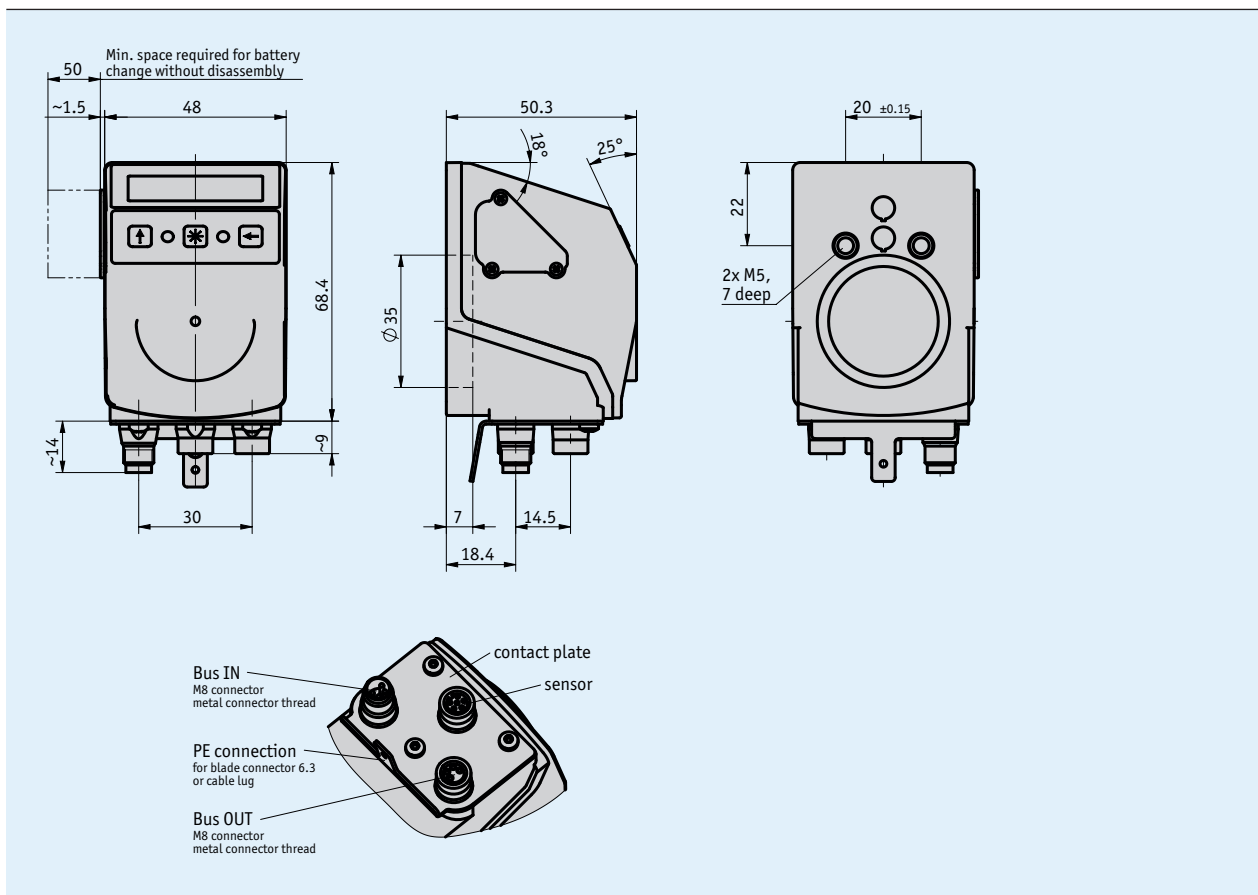


Profile

- 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