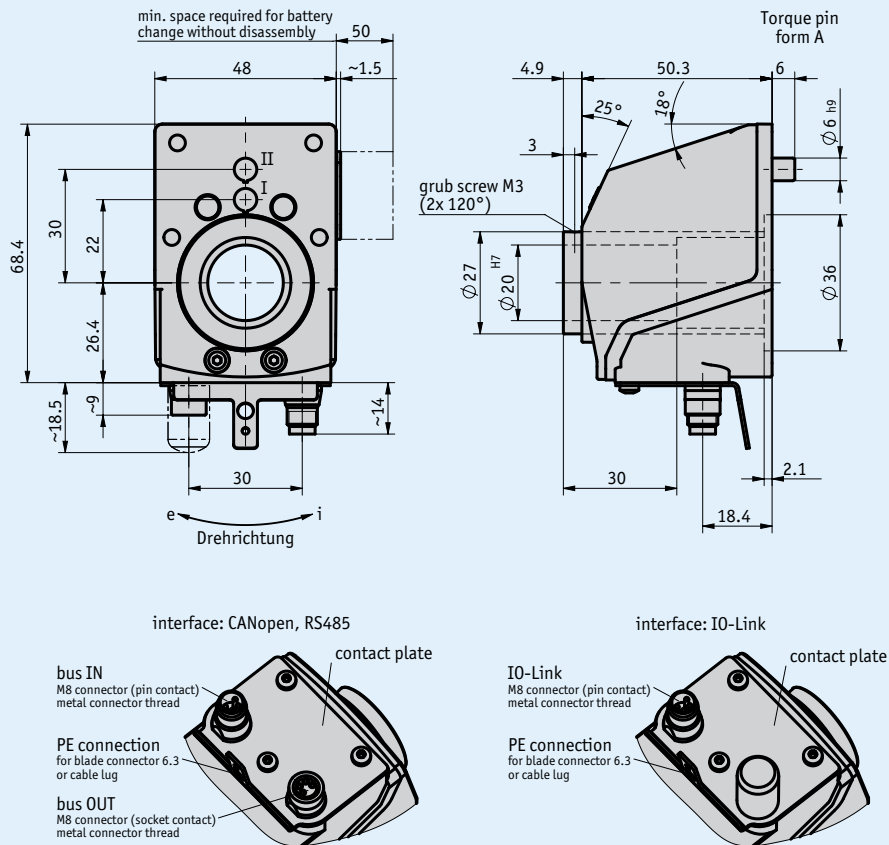


Profile

- Electronic position indicator with interface
- Stainless-steel hollow shaft $\varnothing 20$ mm, up to $\varnothing 25.4$ mm as an option
- Backlit display
- Two-line LCD for target and actual values
- Reset, incremental measurement, offset via keyboard
- Integrated RS485 interface, CAN bus or IO-Link as an option
- Robust sensor technology unit thanks to magnetic scanning
- User guidance through status LEDs
- Mechanically compatible with the DA09S position indicator
- IP53 type of protection, IP65 as an option



Mechanical data

Feature	Technical data	Additional information
Shaft	stainless steel	
Housing	reinforced plastic	metal plug thread
Color	black, RAL 9005	
Speed	≤500 rpm	

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	
Interface	RS485; CANopen; IO Link	no galvanic isolation
Type of connection	2x M8-plug connectors (A-coded)	4-pin, 1x socket, 1x pin (RS485, CANopen)
	1x M8 connector (A-coded)	4-pin, 1x pin (IO-Link)
	grounding via flat male tab 6.3 mm or terminal lug	

System data

Feature	Technical data	Additional information
Scanning	magnetic	
Resolution	880 increments/revolution	displayed value/rotation freely configurable
Measuring range	≤ 11914 revolution(s)	

Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	0 ... 60 °C	
Storage temperature	-20 ... 80 °C	
Relative humidity		condensation inadmissible
Protection category	IP53	EN 60529, only with mating connector
	IP65	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	IO-Link	PIN
TxRx-/DÜB	CANL	L+ (+UB)	1
TxRx+/DÜA	CANH	nc	2
+UB	+UB	L- (GND)	3
GND	GND	C/Q	4

Order

Ordering table

Feature	Ordering data	Specification	Additional information
Interface/protocol	CAN	A	CANopen
	S3/09		RS485/SIKONETZ5
	IOL		IO Link
Hollow shaft/diameter	20	B	ø20 mm
	25.4		ø25.4 mm
Torque pin/position	II	C	30 mm distance
	I		22 mm distance optional
Protection category	IP53	D	IP53
	IP65		IP65
Viewing window	SF	E	front foil
	K		plastic impact protection

Order key

AP10 - A - B - A - C - D - EX - E - S

Scope of delivery: AP10, Mounting instructions

Accessories:

Clamping plate KPL09	www.siko-global.com
Pneumatic clamping plate KP09P	www.siko-global.com
Reduction sleeve RH09	www.siko-global.com
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