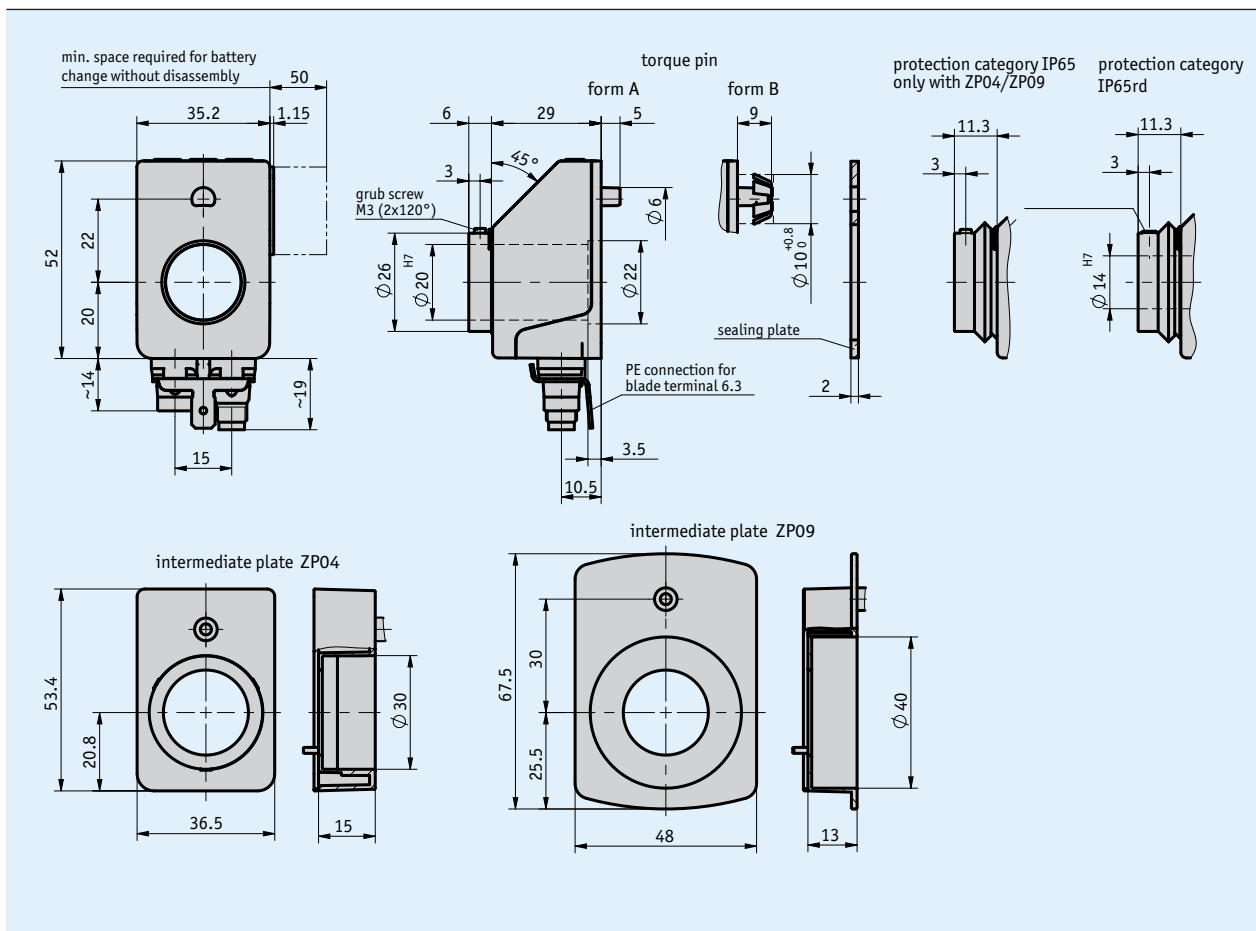


Profile

- Electronic position indicator with bus interface
- Compact design
- Hollow shaft, max. \varnothing 20 mm
- Easily readable, two-line LCD for target and actual values
- Reset, incremental measurement, offset via keyboard
- integrated RS485 interface, CAN bus as an option
- Robust sensor technology unit thanks to magnetic scanning
- User guidance via bicolor LED



Mechanical data

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

Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC $\pm 20\%$	
Current consumption	~20 mA	if operated with LEDs, additional ~3 mA per LED
Battery service life	~5 year(s)	
Display/display range	5-digit LCD 7-segment, ~7 mm height	decimal points, 2 rows, special characters
Special character	left arrow, right arrow, incremental dimension	
Status display	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) grounding via flat connector 6.3 mm	4-pole, 1x socket, 1x pin

System data

Feature	Technical data	Additional information
Scanning	magnetic	
Resolution	720 increments/revolution freely configurable between 1 and 65535 increments/revolution	
Measuring range	≤ 14562 revolution(s)	

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, in the mounted condition, only with mating connector EN 60529, in the mounted condition, only with mating connector

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 table

Feature	Ordering data	Specification	Additional information
Interface/protocol	CAN	CANopen	
	S3/00	RS485/SIKONETZ3,4	
	S3/09	RS485/SIKONETZ5	
Hollow shaft/diameter	20	ø20 mm	
	14	ø14 mm	only with IP65rd type of protection
	...	RH10, RH12, RH14, RH16, RH18	reducing bushes
		others on request	
Intermediate plate	OZP	without	only with IP53 or IP65rd type of protection
	ZP04	intermediate plate	
	ZP09	adapter plate	
Protection category	IP53	IP53	
	IP65	IP65	only with ZP04 or ZP09 intermediate plate
	IP65rd	IP65rd	

Order key



Scope of delivery: AP04, Quick Start Guide

Accessories:

Reduction sleeve RH09	www.siko-global.com
Battery unit ZB1027	www.siko-global.com
Easy Touch Control ETC5000	www.siko-global.com
Gateway IF09x/1	www.siko-global.com
Clamping plate KPE04	www.siko-global.com
Pneumatic clamping plate KP09P	www.siko-global.com
Cable extension KV04S1	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