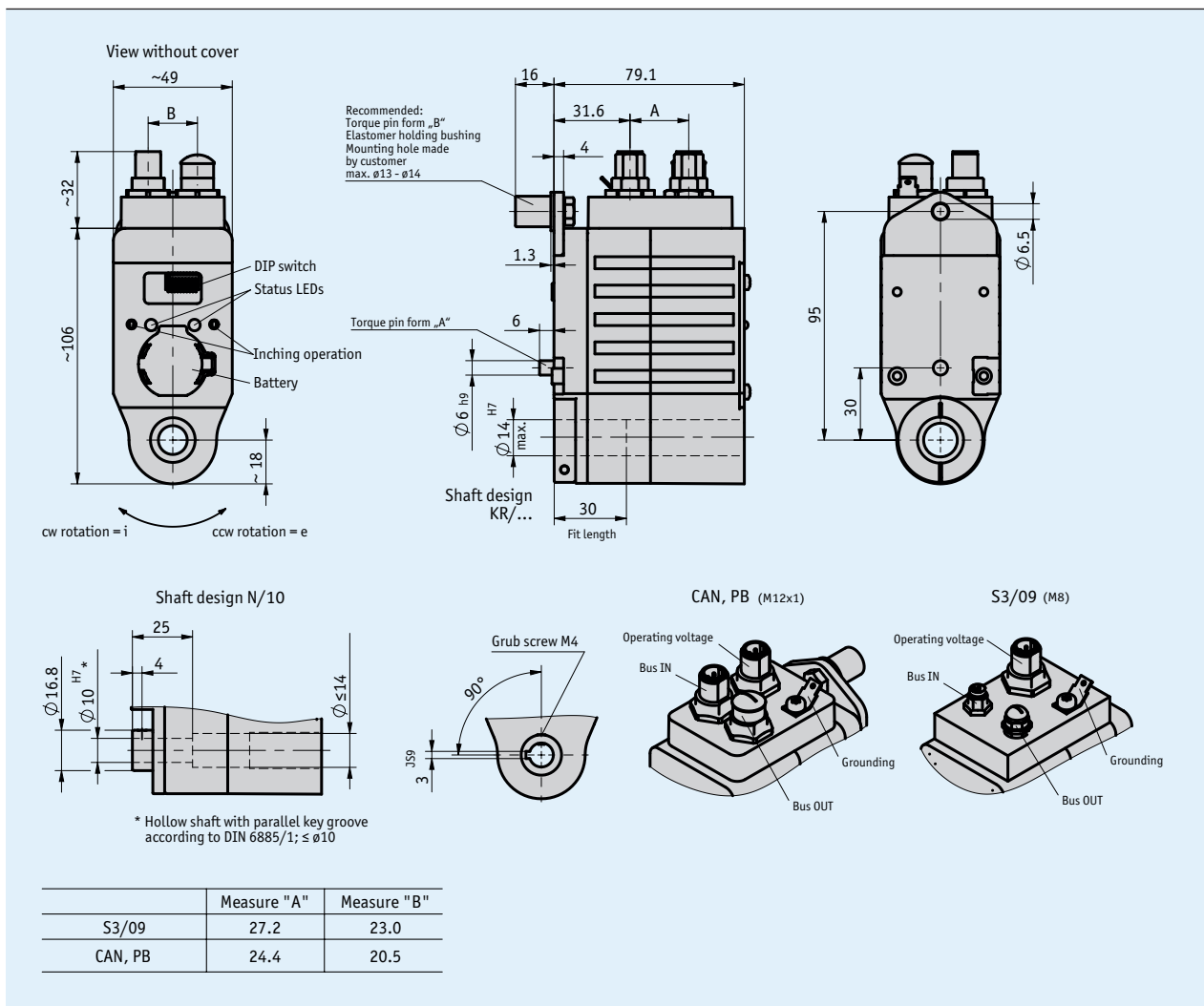


Profile

- Space-saving, easy mounting
- Through hollow shafts up to max. $\varnothing 14$ mm
- Brushless 50 W, 24 V EC motor with long service life
- Integrated power and control electronics with inverse polarity and overload protection
- Integrated absolute position encoder on the output shaft
- Integrated CANopen or Profibus-DP with M12 component mounting technology
- Integrated RS458/SIKONETZ5 interface with M8 component mounting technology



Mechanical data

Feature	Technical data	Additional information
Shaft	black-finished steel	
Housing	aluminum/zinc die cast	anodized / powder-coated
Nominal torque/rated speed	3.2 Nm at 100 rpm	i = 48
	1.6 Nm at 200 rpm	i = 24
Operating mode	S3 intermittent operation: 25 % DC, 10 min.	EN 60034-1

Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC $\pm 10\%$	reverse polarity protected, output stage
	24 V DC $\pm 10\%$	reverse polarity protected, control (only CAN, PB, S3/09)
Power input	58 W	output stage
Battery	CR2477N, 3 V lithium, 950 mAh	
Battery service life	~5 year(s)	depending on ambient conditions
Rated current	2.4 A $\pm 10\%$	at max. adm. torque (output stage)
	<100 mA	at 24 V DC (control), only CAN, PB, S3/09
Status display	two LEDs	
Keys	touch keys	for setting-up mode
Bus connection	CANopen, Profibus-DP, SIKONETZ5	galvanic isolation
	Profibus-DP	galvanic isolation
	SIKONETZ5	galvanic isolation
Type of connection	2x M12-plug connectors (A-coded)	5-pole, 1x socket, 1x pin (CAN)
	2x M12 plug connectors (B-coded)	5-pole, 1x socket, 1x pin (PB)
	2x M8-plug connectors	4-pole, 1 x socket, 1 x pin (S3/09)
	1x M12-plug connector (A-coded)	4-pole, 1x pin (CAN + PB + S3/09)
	grounding via flat connector 6.3 mm	

System data

Feature	Technical data	Additional information
Resolution	1600 increments/revolution	
System accuracy	$\pm 0.8^\circ$	unidirectional
Repeat accuracy	± 1 increment(s)	unidirectional / bidirectional
Travel range	± 8192 revolution(s)	

Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	0 ... 45 °C	
Storage temperature	-20 ... 60 °C	
Relative humidity		condensation inadmissible
EMC	EN 61800-3, second environment	interference resistance / immission
	EN 61800-3, C3	emitted interference / emission
Protection category	IP50 / IP54 / IP65	EN 60529, mating connectors mounted
Shock resistance	500 m/s ² , 8 ms	EN 60068-2-27
Vibration resistance	≤ 100 m/s ² , 5 ... 150 Hz	EN 60068-2-6

Pin assignment

■ Operating voltage

CAN, PB, S3/09	PIN
+UB (output stage)	1
+UB (control)	2
GND (output stage + control)	3
N.C.	4

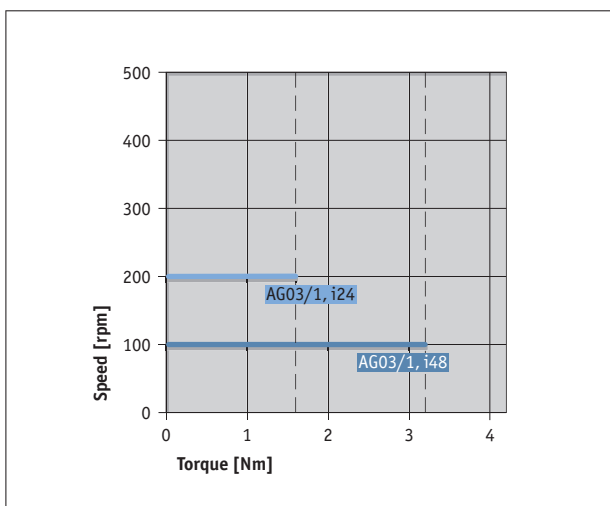
■ Fieldbus S3/09

Signal	PIN
DÜB/TxRx-	1
DÜA/TxRx+	2
N.C.	3
SGND	4

■ Fieldbus PB, CAN

PB	CAN	PIN
N.C.	N.C.	1
BUS A	N.C.	2
N.C.	CAN_GND	3
BUS B	CAN_H	4
N.C.	CAN_L	5

Performance curve



Order

Ordering table

Feature	Ordering data	Specification	Additional information
Gear ratio	48	i = 48	
	24	i = 24	
Protection category	IP50	IP50	
	IP54	IP54	
	IP65	IP65	
Shaft design/diameter	KR/14	clamping ring ø14 mm	
	KR/12	clamping ring ø12 mm	
	N/10	keyway JS9 DIN 6885/1 ø10 mm	
Torque pin	A	bolt, ø6 mm	
	B	lug I	
Fieldbus	CAN	CANopen	
	PB	Profibus-DP	Profidrive
	S3/09	RS485 / SIKONETZ5	

Order key



Scope of delivery: AG03/1 Fieldbus, Mounting instructions, Documentation on CD

Accessories:

Cable extension KV04S1

Cable extension KV04S2

Easy Touch Control ETC5000

Programming software ProTool DL

Mating Connector Overview

Mating connector, operating voltage, 4-pole, socket

Mating connector, operating voltage, 4-pole, angle socket

Mating connector, Profibus IN, 5-pole, angle socket

Mating connector, Profibus IN, 5-pole, socket

Mating connector, Profibus OUT, 5-pole, angular pin

Mating connector, Profibus OUT, 5-pole, pin

Mating connector, CANopen IN, 5-pole, angle socket

Mating connector, CANopen IN, 5-pole, socket

Mating connector, CANopen OUT, 5-pole, angular pin

Mating connector, CANopen OUT, 5-pole, pin

Mating connector, bus IN, 4-pole, socket

Mating connector, bus OUT, 4-pole, pin

www.siko-global.com

www.siko-global.com

www.siko-global.com

www.siko-global.com

www.siko-global.com

Order key 83526

Order key 83091

Order key 82804

Order key 83991

Order key 82805

Order key 83992

Order key 83006

Order key 84109

Order key 83007

Order key 84732

Order key 84209

Order key 84210