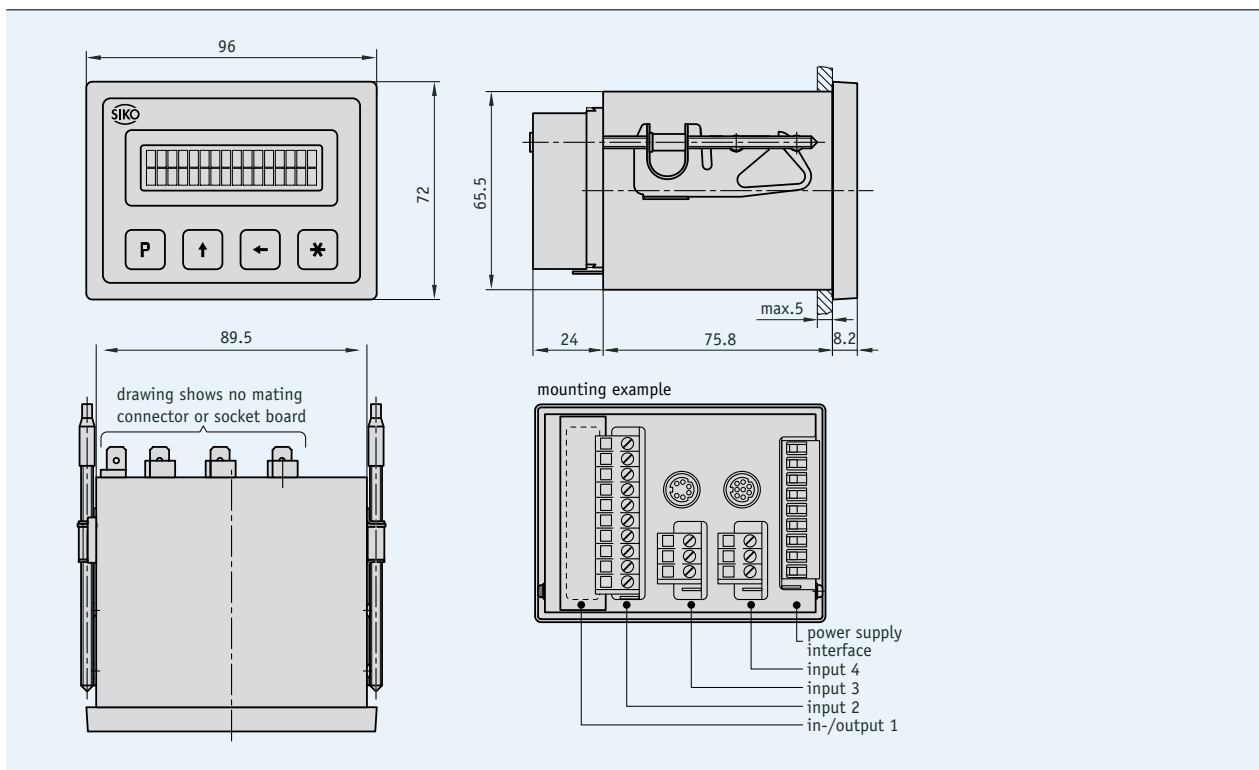


Profile

- LCD indicator (2 lines of 16 digits)
- 4 slots for function and input cards (rotary encoders, magnetic sensors, length and angle measurement)
- Easy-to-use, menu-guided user interface
- Various measurement systems can be combined
- Output card for upper and lower limits
- Optional: RS232 or RS485 interface



6.1

Mechanical data

Feature	Technical data	Additional information
Operating temperature	0 ... +50 °C	
Storage temperature	-20 ... +85 °C	
Condensation	inadmissible	
Protection category	IP40 for whole device IP60 front with switchboard mounting	DIN 40050
Connection	connector strip DIN mini-connector for magnetic sensors	
Keyboard	membrane keys with pressure point	
Housing	plastic	switchboard cutout 68 x 92 mm, DIN 43700
Weight	approx. 0.35 kg	

Electrical data

Feature	Technical data	Additional information
Voltage supply	24 V DC \pm 20 %	
Current consumption	100 mA	with 24 V, without encoder
Switching outputs	option via I/O card	
Display	LED text display, 2 lines of 16 characters	5 mm high, 5 x 7 matrix
Function card I/O	4 transistor outputs 30 V DC (100 mA) 4 optocoupler inputs	galvanically isolated, e.g., for upper and lower limits 15 ... 30 V DC
Input card incremental encoder input frequency encoder supply	PP, OC, LD5, LD24 25 kHz 5 V DC (200 mA), 24 V DC (200 mA)	
Input card absolute bit width encoder supply	SSI max. 25 bit 24 V DC (200 mA)	
Input card MLI	SIKO magnetic sensor, type MS500	
Input card MLA	SIKO magnetic sensor, type MSA	
Encoder input frequency	25 kHz	
Data and actual value memory	EEPROM min. 25 years	
Pulse analysis	quadraple	
Interference protection class	EN61000-6-2, EN6100-6-4	

6.1

Pin assignment

Power pack + interface	RS232	RS485	PIN
+24 V operating voltage	+24 V operating voltage	+24 V operating voltage	1
+24 V operating voltage	+24 V operating voltage	+24 V operating voltage	2
0 V GND	0 V GND	0 V GND	3
0 V GND	0 V GND	0 V GND	4
	TXD	DÜA	5
	RXD	DÜB	6
	GND interface	GND interface	7
			8
			9

PP, OC	LD5, LD	NPN	PNP	SSI	PIN
+ Ub encoder supply	+ Ub encoder supply	IN 1	IN 1	+ Ub encoder supply	1
A-signal	A-signal	IN 2	IN 2	Clock+	2
N.C.	/A-signal	IN 3	IN 3	Clock-	3
B-signal	B-signal	IN 4	IN 4	Data+	4
N.C.	/B-signal	GND	GND	Data-	5
Index signal	Index signal	Out 1	Out 1	GND, screen enc. supply	6
N.C.	/Index signal	Out 2	Out 2	+24 V	7
GND	GND	Out 3	Out 3	CAL	8
RFS	RFS	Out 4	Out 4	GND	9
+24 V	+24 V	GND	U in	SE	10

Order

Feature	Order data	Specifications	Additional information
Input/output 1	X	without	
	I/O, NPN	switching to ground	
	I/O, PNP	plus switching	
	PP/OC	push-pull/open collector 24 V DC	
	LD/5	RS422/5 V	
	LD/24	RS422/24 V	
Input 2	SSI	Synchronous Serial Interface	
	X	without	
	PP/OC	push-pull/open collector 24 V DC	
	LD/5	RS422/5 V	
	LD/24	RS422/24 V	
	SSI	Synchronous Serial Interface	
	MLI	magnetic measurement system incremental	
MLA	magnetic measurement system absolute		
Input 3	BUS	BUS card	
	...	see Input 2	
Input 4	...	see Input 2	
	...	see Input 2	
Interface/protocol	X	without	
	S1/00	RS232/standard	
	S3/00	RS485/standard	
	S3/07	RS485/SIKONETZ-4	

6.1

Order code



Scope of delivery: MA20, User information, Mating connectors



Additional information:

General information and areas of application

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