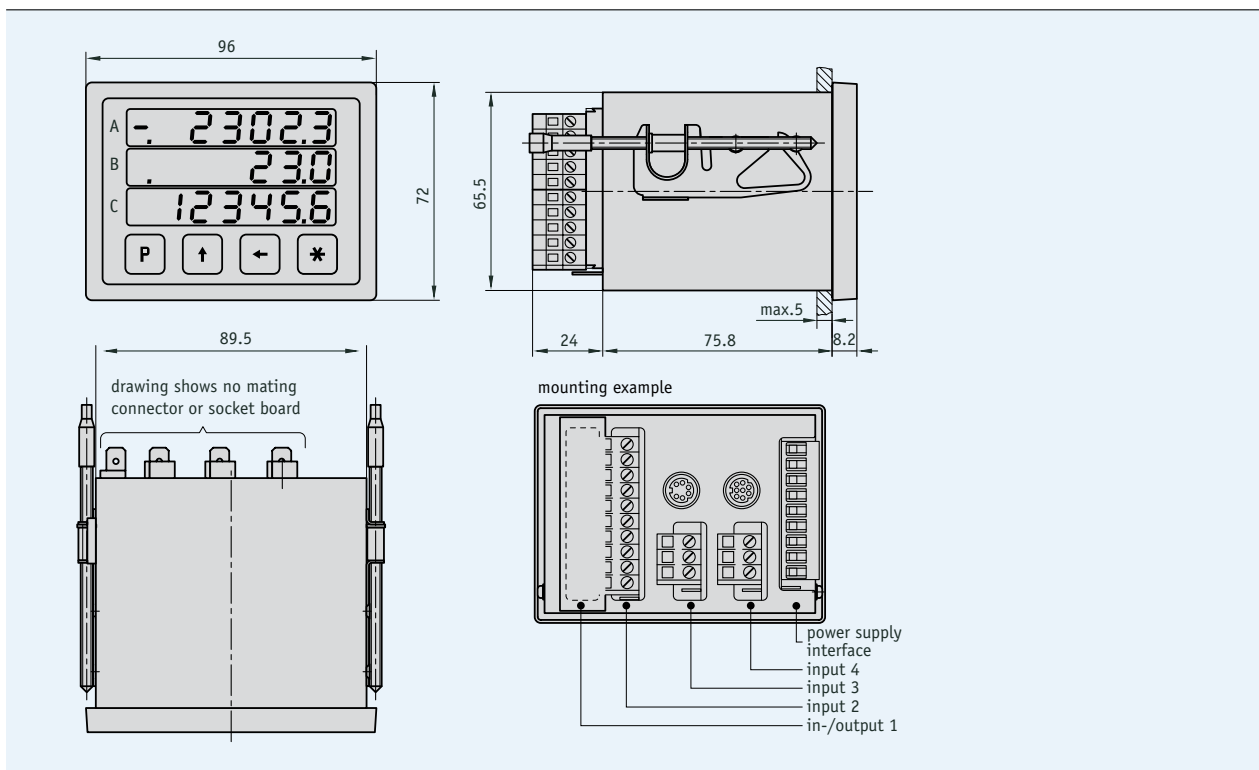


Profile

- LED readout for display of 3 measured values (3 lines of 7 digits)
- 3 slots for input cards (rotary encoders, magnetic sensors, length and angle measurement)
- Easy-to-use, menu-guided user interface
- Various measurement systems can be combined, connection of up to three measurement systems possible
- 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	~ 150 mA	with 24 V, without encoder
Display	7-digit, 7-segment LED, red, 10 mm, 3-line	
Display range	-999 999 ... +999 999	e.g., for upper and lower limits
Input card incremental	PP/OC, LD5, LD24	
encoder input frequency	25 kHz	
encoder supply	5 V DC (200 mA), 24 V DC (200 mA)	
Input card absolute	SSI	
bit width	max. 25 bit	
encoder supply	24 V DC (200 mA)	
Input card MLI	SIKO magnetic sensor, type MS500	
Input card MLA	SIKO magnetic sensor, type MSA	
Signal inputs	0 ... 10 V DC 0 ... 20 mA or 4 ... 20 mA 0 ... 10 k Ω	voltage current resistance
Encoder input frequency	25 kHz	
Data and actual value memory	EEPROM min. 25 years	
Pulse analysis	quadruple	
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
N.C.	TXD	DÜA	5
N.C.	RXD	DÜB	6
N.C.	GND interface	GND interface	7
N.C.	N.C.	N.C.	8
N.C.	N.C.	N.C.	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
	/A-signal	IN 3	IN 3	Clock-	3
B-signal	B-signal	IN 4	IN 4	Data+	4
	/B-signal	GND	GND	Data-	5
Index signal	index signal	Out 1	Out 1	GND, screen encod. supply	6
	/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 2	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	
	URI	analog	
Input 3	...	B see Input 2	
Input 4	...	C 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: MA23, User information, Mating connectors



Additional information:

General information and areas of application

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