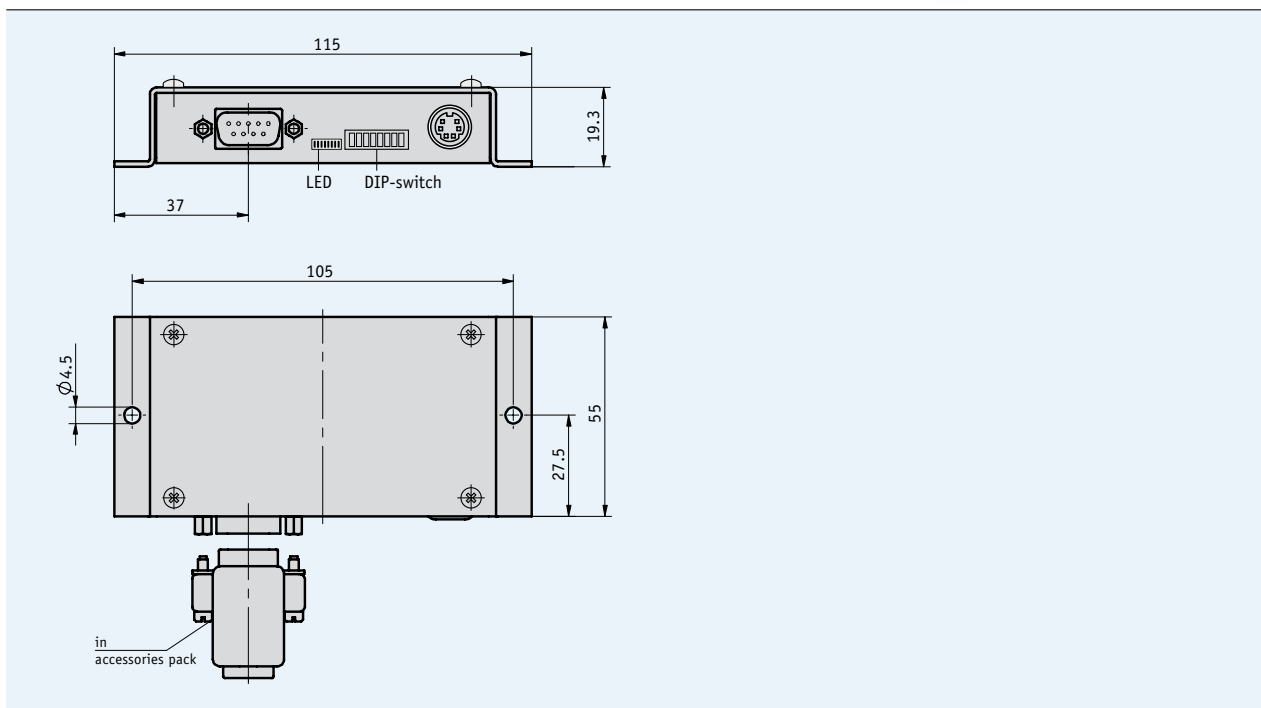


Profile

- Parameters adjustable via DIP switches
- Resolution up to 1 µm
- Reference signal with intervals of 5 mm
- Works with sensor MS500



Mechanical data

Feature	Technical data	Additional information
System accuracy	$\pm(0.025 + 0.01 \times L)$ mm, L in m	at $T_U = 20$ °C (with MB500 and 0.05 mm accuracy class)
Repeat accuracy	± 1 increment	
Housing	sheet steel	electrogalvanized
Cable length of connection line	max. 50 m	acc. to RS422 specification
Electrical connection	D-SUB 9-pin for supply and signal output	DIN mini-connector for sensor
Protection category	IP 40 according to DIN VDE 0470	
Humidity of translation module	max. 95 % rh	condensation inadmissible
Operating temperature	0 ... +70 °C	
Storage temperature	-20 ... +70 °C	
Weight	approx. 400 g	
Sensor travel speed	max. 20 m/s	

Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC ±20 % 5 V DC ±5 %	reverse-polarity protection no reverse-polarity protection
Current consumption	<70 mA	
Resolution (µm)	5, 10, 20, 25, 50, 100	with quadrature evaluation DIP switch-selectable
Output signals	quadrature A, B, O	each inverted
Output circuit	PP, LD (RS422)	switch-selectable via DIP switches
Real-time requirement	real-time signal processing	
Interference protection class	3	according to IEC 801

Pin assignment

Signal	PIN
A	1
A/	2
GND (for output signals)	3
B	4
B/	5
O/	6
=	7
+ UB	8
GND (for supply)	9

5.2

Order

Order table

Feature	Order data	Specifications	Additional information
Operating voltage	4	24 V DC ±20 %	reverse-polarity protection
	5	5 V DC ±5 %	no reverse-polarity protection

Order code

AS510/1 -

Scope of delivery: AS510/1, User information

Additional information:

Short Description, Technical Details
Product Overview

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