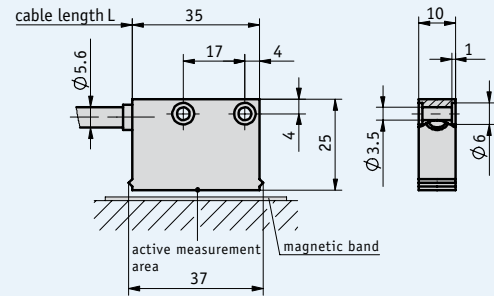
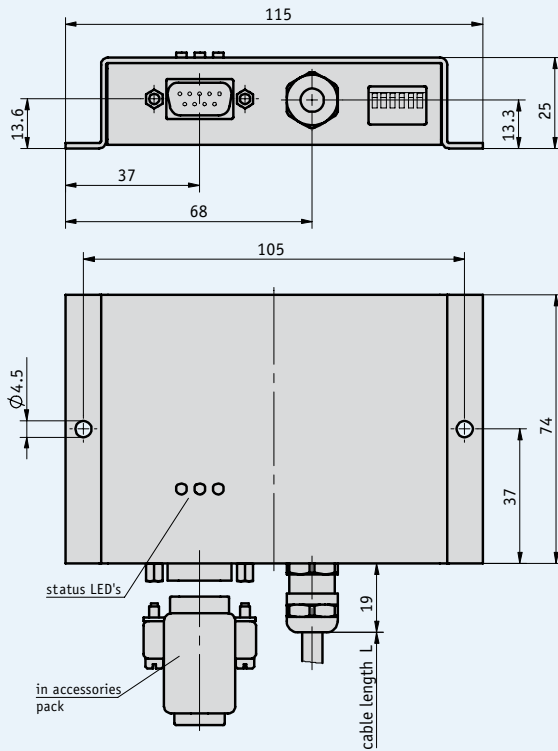


Translation Module ASA510

Quasi-absolute, battery-buffered translation module

Profile

- Max. resolution 10 μm
- Repeat accuracy 1 increment, max. $\pm 0.01\text{ mm}$
- SSI or RS485 interface
- Scale MB500
- Compact, absolutely measuring unit with hard-wired sensor
- Max. measuring length $\pm 655\text{ m}$



Mechanical data

Feature	Technical data	Additional information
System accuracy	(0.025 + 0.01 x L) mm, L in m	at T _U = 20 °C; (L= length per each meter started)
Repeat accuracy	±1 increment	max. ±0.01 mm
Sensor/band reading distance	max. 2 mm	over the whole measuring length
Measuring length	±655 000 mm	
Housing	sheet steel	electrogalvanized
Cable length of connection line	max. 6 m	acc. to RS422 specification
Sensor cable sheath	PUR oil-resistant	
Travel speed of magnetic sensor	max. 5 m/s	
Electrical connection	D-SUB 9-pin for supply and signal output	
Protection category	IP40 (translation module) IP67 (sensor)	according to DIN VDE 0470 according to DIN 40050
Humidity of translation module	max. 95 % rh	condensation inadmissible
Humidity of sensor	max. 100 % rh	condensation permitted
Operating temperature	0 ... +60 °C	
Storage temperature	-20 ... +70 °C	
Weight	approx. 400 g	

Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC ±20 %	with reverse-polarity protection
Power input	<5 VA	
Resolution	10 µm	
Interfaces	SSI RS485 SIKONETZ-3 (bus-compatible)	switch-selectable SSI, RS485
Interference protection class	3	according to IEC 801
SSI clock rate	max. 1 MHz	

5.2

Order

Order table

Feature	Order data	Specifications	Additional information
Sensor cable length	...	A 1 ... 6 m in steps of 1 m	
Interface	SSI RS485	B according to RS422 A, 24 bit SIKONETZ-3, bus-compatible/SERVICE standard protocol	switch-selectable SSI/RS485

Order code

ASA510 - A - A - B

Scope of delivery: ASA510, User information,
D-SUB-bush 9-pin, grounding material

Additional information:
Short Description, Technical Details Page 46 cont.
Product Overview Page 4 cont.