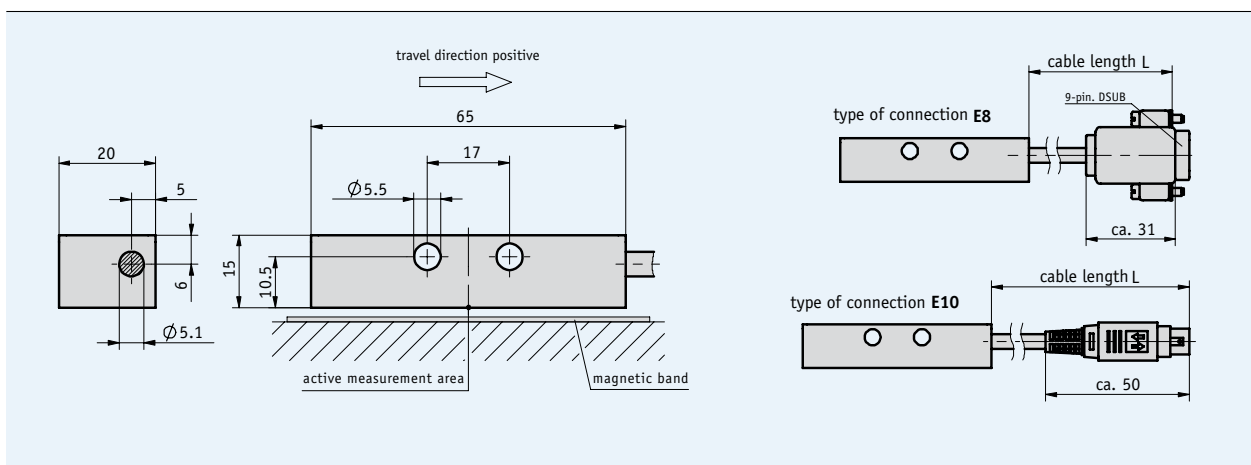


Profile

- To be connected to magnetic displays MA505 and MA561 as well as translation module AEA
- Max. resolution depends on downstream electronics unit
- Repeat accuracy depends on downstream electronics unit
- Max. sensor/band reading distance of 1 mm
- Max. measuring length 5120 mm



5.2

Mechanical data

Feature	Technical data	Additional information
Scale embodiment	MBA	
System accuracy	$(0.05 + 0.03 \times L)$, L in m	
Repeat accuracy	0.01 mm	
Sensor/band reading distance	max. 1 mm	
Travel speed	max. 5 m/s	
Housing	aluminum natural chromated	
Sensor cable	PVC	
Operating temperature	0 ... +60 °C	
Storage temperature	-20 ... +80 °C	
Humidity	100 % rh	condensation permitted
Protection category	IP67	DIN 40050
Vibration resistance	10 g/50 Hz	
Max. measuring length	max. 5120 mm	

Electrical data

Feature	Technical data	Additional information
Operating voltage	feed via downstream electronics unit	
Current consumption	see downstream electronics unit	
Type of connection	Mini-DIN, D-SUB 9-pin	
Resolution	depends on magnetic display, downstream electronics unit	

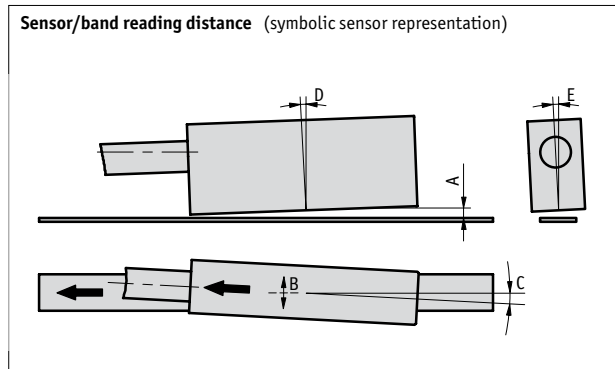
Pin assignment

signal	E8	E10
LK14-A	2	1
SENS- DATA	3	3
LK14-B	4	5
CLK	6	4
+5V	7	8
GND	8	6
STR	9	7
N.C.	1, 5	2

Mounting instruction

When installing the sensor and magnetic band, always ensure that both system components are correctly aligned. The arrows marked on the band and sensor must point in the same direction during installation.

A , Sensor/band reading distance	max. 1.0 mm
B , Lateral offset	max. ±1.0 mm
C , Misalignment	<±2°
D , Longitudinal tilt	<±1°
E , Lateral tilt	<±3°



Order

Order note

This sensor is sold in Switzerland and Austria under the product name "AMSA".

Order table

Feature	Order data	Specifications	Additional information
Type of connection	E8 E10	A D-SUB 9-pin Mini-DIN	
Cable length L	...	B 1 ... 20 m, in steps of 1 m others on request	

Order code

MSA - - -

Scope of delivery: MSA, User information, distance gage 0.5 mm, snap ferrite on sensor cable

Additional information:

Short Description, Technical Details
Product Overview

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