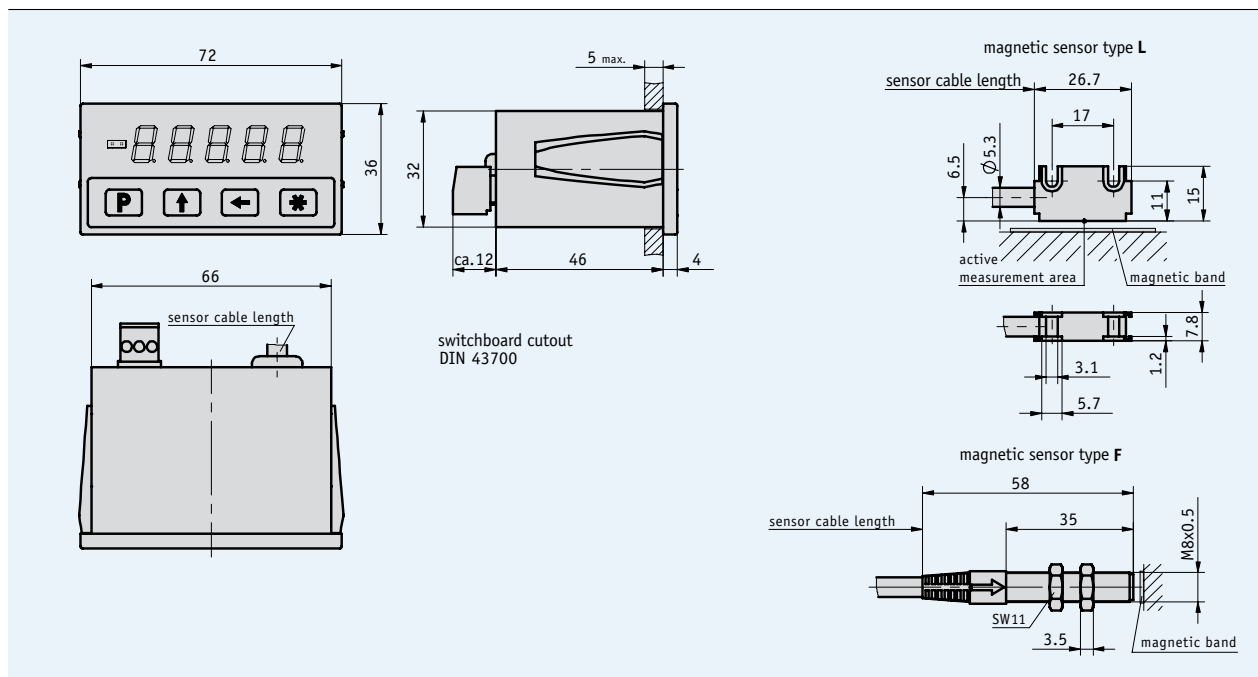


## Profile

- Display accuracy max. 10 µm
- Repeat accuracy max. ±0.01 mm
- Incremental measurement and reset function
- Direct reference/offset value input
- Reference input
- Works with sensor MS500



5.2

## Mechanical data

Feature	Technical data	Additional information
System accuracy	±(0.1+ 0.01 x L) mm, L in mm	at T <sub>U</sub> = 20 °C
Repeat accuracy	max. ±0.01 mm	± 1 digit
Supply connection	3-pin terminal strip	
Display/display range	5-digit LED, red, 10 mm	-99 999 ... 99 999
Sensor travel speed	5 m/s	with reading distance of 0.1 ... 2 mm
Design	panel-mount housing, cutout 68 x 33 mm bench-top housing	plastic, red transparent, snap module aluminum profile, black anodized
Protection category	IP40 for whole device IP60 with switchboard installation	according to DIN 40050 according to DIN 40050
Operating temperature	-10 ... +70 °C	
Storage temperature	-30 ... +80 °C	
Humidity	max. 95 % rh	condensation inadmissible

### Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC ±20 % 230 V AC -10/+6 %	only with TGL with 24 V DC
Current consumption	<60 mA	
Resolution	in mm 0.01, 0.05, 0.1, 1	in inch 0.001, 0.01 programmable angle display
Interference protection class	3	according to IEC 801

### Pin assignment

Signal
GND
+UB
Reset

### Order

#### Order table

Feature	Order data	Specifications	Additional information
Operating voltage	4	24 V DC ±20 %	
	1	230 V bench-top housing design on request	
Sensor connection	S	pluggable	delivery without sensor MS500
	M	hard-wired	
Type of magnetic sensor	OS	without sensor	only with sensor connection "S"
	L	L design	
	F	F design	
Sensor cable length	...	1 ... 20 m, in steps of 1 m	only with sensor connection M

#### Order code

MA506 - EG - A - B - C - D

**Scope of delivery:** MA506, User information

**Additional information:**

SShort Description, Technical Details  
Product Overview

Page 46 cont.  
Page 4 cont.