

Mechanical data

Feature	Technical data	Additional information
System accuracy	±(0.1 +0.01 x L), L in m	with magnetic band MB500 at T _U = 20 °C
Repeat accuracy	±1 digit	max. ±0.01 mm
Magnetic sensor	hard-wired	
Electrical connection	without connection strand	integrated battery holder external battery holder
Display/display range	6-digit LCD	-999 999 ... +999 999
Design	panel-mount housing panel-mount housing with shackle	
Housing	plastic (transparent)	
Protection category	IP40 whole device IP 54 front side IP67 sensor	
Operating temperature	0 ... +60 °C	
Storage temperature	-30 ... +80 °C	
Humidity	condensation inadmissible	
Travel speed	max. 5 m/s	

Electrical data

Feature	Technical data	Additional information
Operating voltage	1 ... 3.3 V DC	
Current consumption	max. 170 µA with 3 V DC max. 350 µA with 1.5 V DC	<50 µA standby <100 µA standby
Resolution	max. 10 µm	

Pin assignment

Signal	Cable color
GND	black
+UB	red

Order

Order table

Feature	Order data	Specifications	Additional information
Housing design	EG	A panel-mount housing	
	EGH	A panel-mount housing with shackle	
Sensor design	L	B rectangle with elongated hole	
	F	B round design	
Sensor cable length	...	C 0.3 ... 2 m in steps of 0.1 m	
Battery cable length	...	D 0.2 ... 2 m in steps of 0.1 m	
Electrical connection	0A	E without external connection	integrated battery holder
	L	E connection cables led through	external battery holder
Battery holder	I	F integrated	
	B1.5	F with external battery holder 1.5 V	only with electrical connection L
	B3.0	F with external battery holder 3 V	only with electrical connection L
	0	F without battery holder	only with electrical connection L

Order code



Scope of delivery: MA504 with sensor, User information, Allen fastening screws M3 x 14 mm ISO 4762, lock washers M3 DIN 7980, strain relief for sensor cable, distance gage 0.8 mm

Additional information:

Short Description, Technical Details
Product Overview

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