

Magnetic Display MA504

Battery-powered, quasi-absolute measuring display using low power technology. Used for direct position and angle measurement such as eg. on limit stop systems. MA504 features easy installation and suits most applications.



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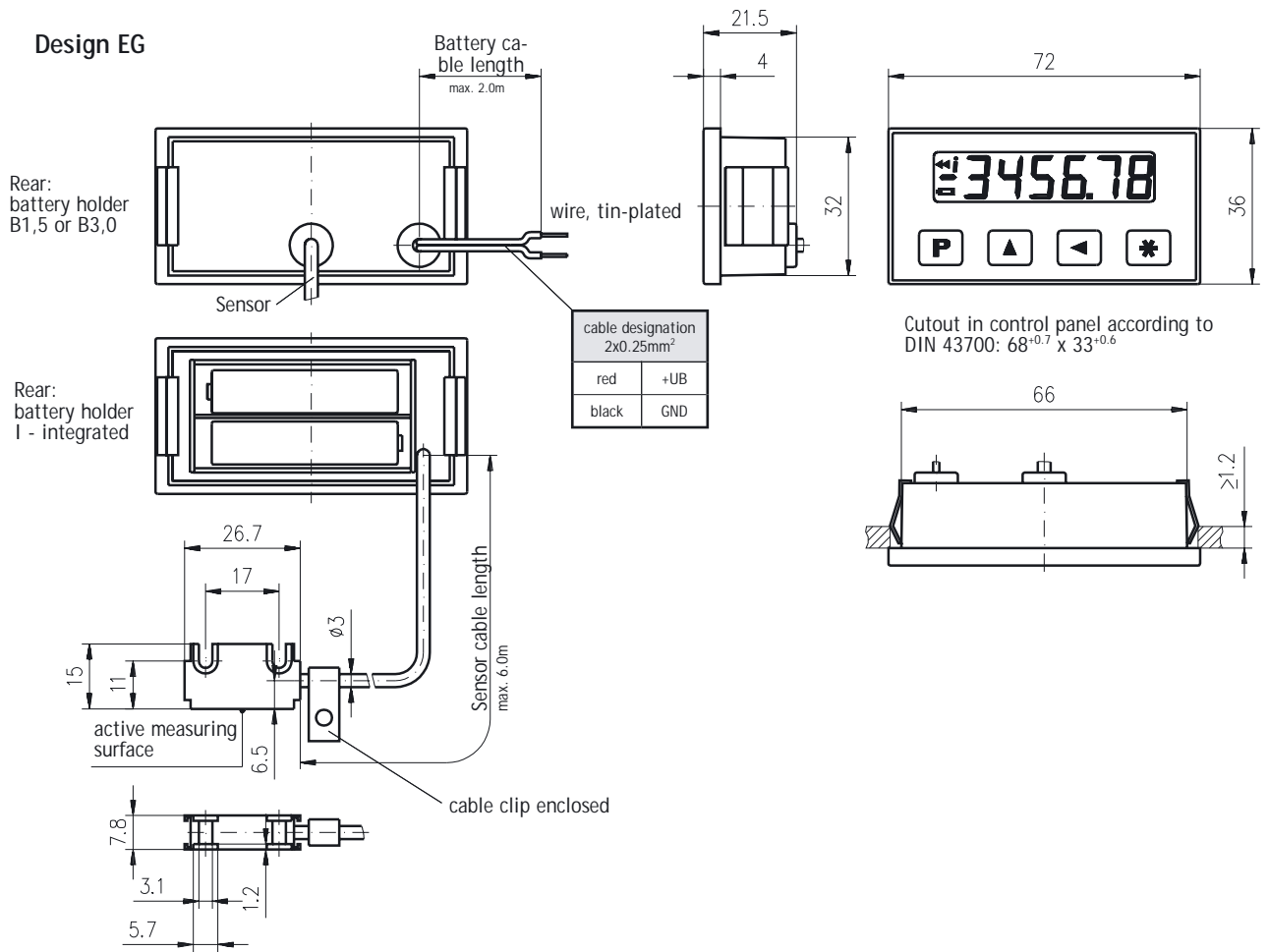
Features:

- extremely low power LCD (metric and inch values)
- operating time up to 3 years without battery change
- very compact, small size
- battery supply 1,5VDC to 3VDC
- display accuracy 0,01mm

Feature	Order text		Additional information
Design	EG	mount type	standard
Magnetic sensor	L B	rectangle with elongated hole	standard
Sensor cable length	... C	in meter	available up to max. 6.0m
Battery cable length	... D	in meter	available up to max. 2.0m
Electrical connection	OA E	without wire	standard (battery holder integrated)
	L E	wire	(battery holder external)
Battery holder	I F	integrated	standard
	B1,5	with; 1,5VDC	
	B3,0	with; 3VDC	
	0	without	

Your ordering: MA504 - A - B - C - D - E - F

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Technical data

Mechanical data:		Additional information
Protection class	IP40 complete device	IP54 from the front side; IP67 sensor
Operating temperature	0°C ... +60°C	
Storage temperature	-30°C ... +80°C	
Humidity	condensation not permitted	
Housing	plastic (transparent)	
Operator controls	4 keys, membrane keyboard	
Electrical data:		
Power supply	1,0 ... 3,3VDC	
Display/display range	6 digits LCD	-999 999 ... +999 999
Power consumption	max. 170µA @ 3VDC, <50µA standby max. 350µA @ 1,5VDC, <100µA standby	
Test mark	CE	
System data, resolution and accuracy:		
Resolution	max. 0.01mm	
Suitable magnetic tape/ring	MB500/MR500	
Sensor/magnetic strip gap	max. 2mm	
System accuracy	±(0,1 + 0,01 x L) L in m	with magnetic strip MB500 at T _U =20°C
Repeat accuracy	±1 inkrement	
Travel speed	max. 5m/s	