Magnetic Reader Sensors

"Very Small Size Reader Sensor"

- Very Small Size
- Easy Mounting
- High Resolution Up to 0,001 mm Resolution
- High Accuracy
- Spiral or Cable Option
- Measuring Lengths Up to 100 m
- Resistant to Humidity
- Sturdy Metal Case
- Protection Class IP67

MLS 130 magnetic reader sensors, can be mount even in the most cramped spaces with very small size.

In standard orders, there will be 30 cm cable, a male socket (soldered to cable) and a female socket.

Optionally, a length-defined cable can be solder to the female socket. Another socket can be solder to end of the length-defined cable.

MLS 130 magnetic reader sensors can be use for lots of applications: milling, lathe, bohrwerk, drilling, grinding, marble machines, welding machines, bending machines, robotics, pvc cutting machines, wood cutting machines, electrical discharge machines, etc...

Technical Specifications

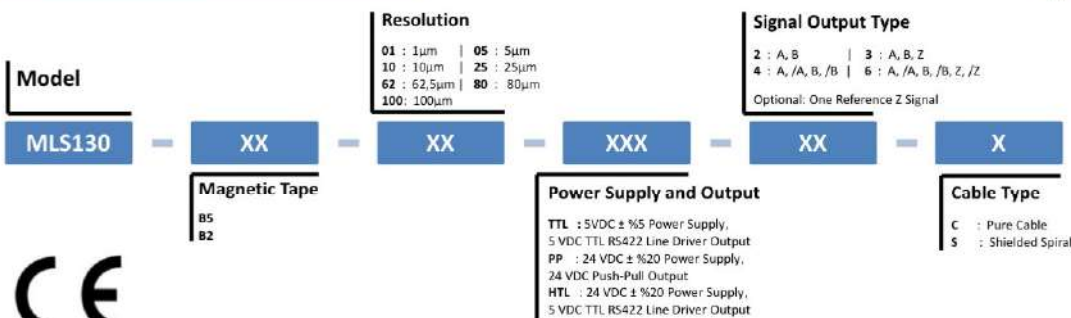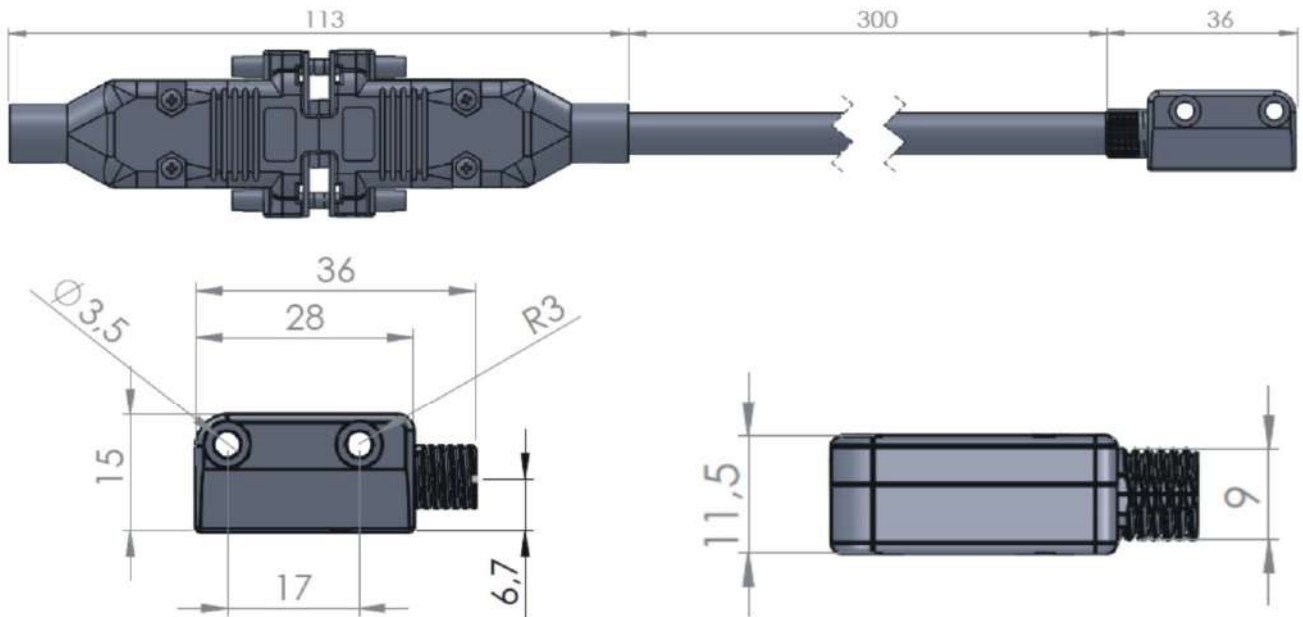|	
Resolution	1µm, 5µm, 10µm, 25µm, 50µm, 62;5µm, 80µm, 100µm (or on request)
Output Signal Type	Push-Pull or TTL RS422 Line Driver
Output Signals	A, /A, B, /B, Z, /Z
Current	Maximum 40 mA per Channel
Power Supply	10..30 VDC or 5 VDC
Housing Material	Aluminum
Gap Between Tape and Sensor	0,1 mm to 2 mm
Travel Velocity	3 m/s
Repeatability	± 1 Pulse
Operating Temperature Range	-25 to +85°
Protection Class	IP67

Standard Order

Optional Order *

* The cable is soldered to the female socket. Another socket can be soldered to the end of cable.
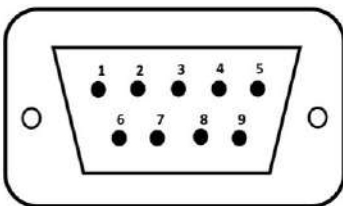
Order Specifications

Resolution
01 : 1µm | 05 : 5µm
10 : 10µm | 25 : 25µm
62 : 62,5µm | 80 : 80µm
100 : 100µm

Signal Output Type
2 : A, B | 3 : A, B, Z
4 : A, /A, B, /B | 6 : A, /A, B, /B, Z, /Z

Optional: One Reference Z Signal

Model					
MLS130	XX	XX	XXX	XX	X

Magnetic Tape
B5
B2

Power Supply and Output
TTL : 5VDC ± %5 Power Supply, 5 VDC TTL RS422 Line Driver Output
PP : 24 VDC ± %20 Power Supply, 24 VDC Push-Pull Output
HTL : 24 VDC ± %20 Power Supply, 5 VDC TTL RS422 Line Driver Output

Cable Type
C : Pure Cable
S : Shielded Spiral

CE

Mechanical Dimension

Pin Connections

TECHNICAL SPECIFICATION

Pin Number	Total Depth	Signal
1	Yellow	A
2	White	B
3	Red	POWER SUPPLY
4	Black	0 V
5	Blue	/A
6	Green	B
7	Gray	/Z
8	Pink	Z
9	Shield	GROUND

MLS 130 + B Series Magnetic Tape

MLS 130 + PS2 Slim Profile