

TMS512

柔性线专用绝对值磁栅编码器

TMS512 ABSOLUTE VALUE MAGNETIC GATE ENCODER

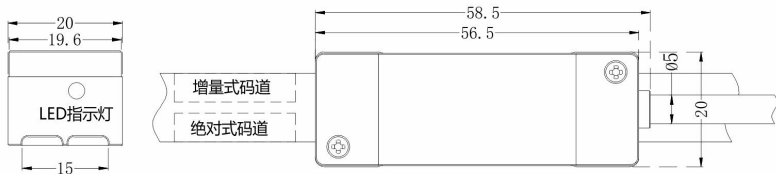
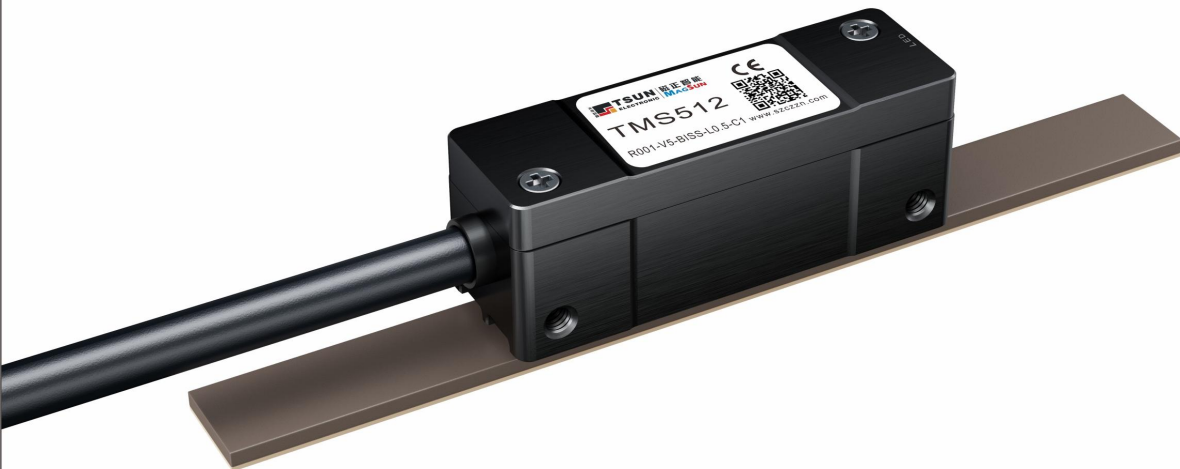
SSI

BISS

INTERFACE

Samagawa

Panasonic



标注单位: mm

性能和优势

- 真正意义上的双码道绝对值磁栅编码器

A real dual channel absolute magnetic gate encoder

周期编码长度 512mm

Ip67 环氧树脂灌封

速度可达 5m/s

Period code length 512mm

Ip67 epoxy resin potting

Speed up to 5m/s

适用于高速、多动子滑车并运行场景

坚固的设计和强大的EMC兼容性

It is suitable for high-speed multi-acting block operation

Rugged design and strong EMC compatibility

支持 BISS-C、SSI、多摩川、松下、RS-485等串行通讯协议

分辨率可达 0.1um

Supports BISS-C, SSI, RS-485, Panasonic, Domochuan and other communication protocols.

Resolution up to 0.1um

产品技术参数

特性 (Characteristic)	技术参数 (Technical parameter)
供电电压 (Supply Voltage)	5V +/-5%
消耗电流 (Current Consumption)	250mA(Max)
磁间距 (Magnetic spacing)	2+2mm
分辨率 (Resolving power)	0.1-10 um (可选) (Optional)
位置数据接口 (Location Data Interface)	SSI; BISS-C (可选) (Optional)
参数配置接口 (Parameter Configuration Interface)	RS485
重复精度 (Repetition accuracy)	±2分辨率 (± 2 resolution)
SSI时钟频率输入 (SSI Clock Frequency Input)	≤750KHz(取决于电缆长度) (Depending on cable length)
磁条精度 (Strip Accuracy)	±20um
最大测量长度 (Maximum measuring length)	486mm
最大速度 (Maximum speed)	5m/s
最大电缆长度 (Maximum cable length)	10m
抗震性 (Seismic resistance)	200m/s²
接线方式 (Wiring method)	直接出线 (可选DB9,DB15) (Optional DB9,DB15)
防护等级 (Protection Class)	IP67