



Linear encoders  
TTK70

MVM-03M-2MC-MKLB

**Model Name** > [MVM-03M-2MC-MKLB](#)  
**Part No.** > [6037421](#)



**At a glance**

- Non-contact determination of absolute position
- Small, compact read head
- Standard SSI interface, combined with SinCos output
- Measuring lengths of up to 4 m
- High level of accuracy ( $\pm 10 \mu\text{m}$ )
- High resolution ( $1 \mu\text{m}$ )
- High travel speed of up to 10 m/s

**Your benefits**

- Easy to integrate into existing systems
- Small size, light weight and high measurement speed make it ideal for a variety of applications
- After installation, the system is immediately available and completely maintenance-free, which leads to time and cost savings
- Immune to environmental factors like contamination and condensation, ensuring increased reliability
- Real-time speed determination plus absolute positioning due to SinCos and SSI output



**Performance**

Measuring length:  $\leq 4,000 \text{ mm}$

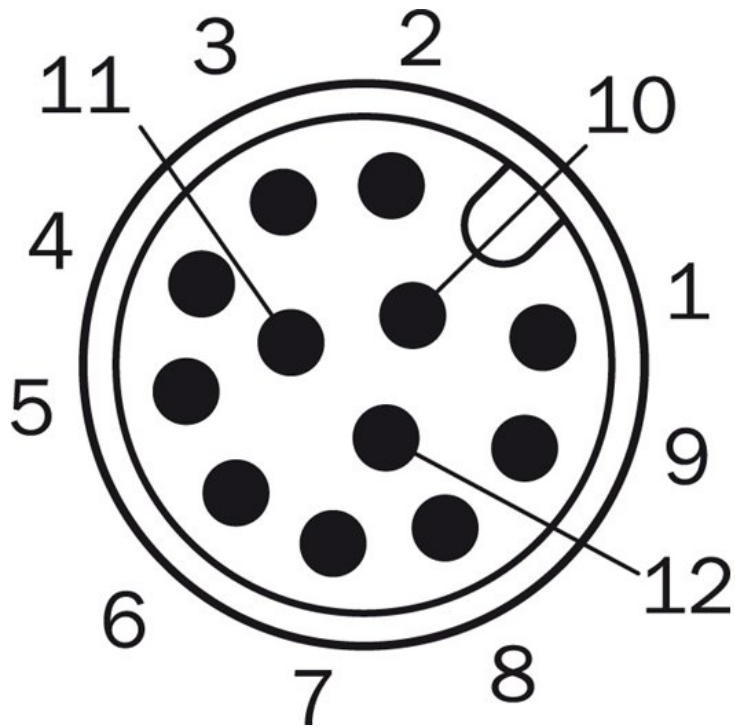
**Mechanical data**

Dimensions: See dimensional drawing  
Mass: 0.18 kg per meter  
Material: 17410 Hard ferrite 9/28 P

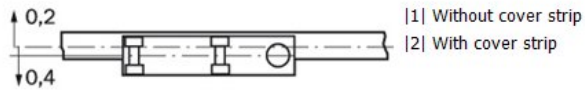
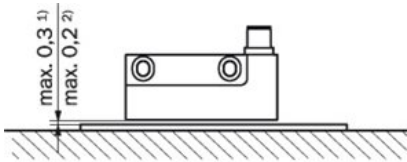
**Ambient data**

Working temperature range:  $-20 \text{ }^\circ\text{C} \dots 70 \text{ }^\circ\text{C}$   
Storage temperature range:  $-30 \text{ }^\circ\text{C} \dots 80 \text{ }^\circ\text{C}$ , without package  
Permissible relative humidity: 100 % (condensation permitted)

Dimensional drawing



Position tolerance



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