



Motor feedback systems linear HIPERFACE® TTK70

MVM-1M5-2MC-MKLB

Model Name > [MVM-1M5-2MC-MKLB](#)
Part No. > [6037418](#)

At a glance

- Non-contact determination of the absolute position
- Small and compact read head
- Standard SSI interface with SinCos-Output
- further Interface: HIPERFACE®, PROFIBUS, CANopen, DeviceNET (via adapter)
- Measuring lengths up to 4 meters
- High accuracy ($\pm 10 \mu\text{m}$)
- High system resolution ($1 \mu\text{m}$ with SSI, $3.906 \mu\text{m}$ with fieldbus)
- High movement speed up to 10 m/s

Your benefits

- Smallest absolute linear encoder with fieldbus interfaces, making it possible to integrate with existing systems
- Fieldbus interface can be changed without changing the encoder
- High process dynamic because of compact housing, light weight and high speed
- Once installed, the system is completely maintenance free, saving time and costs
- Immune to environmental factors, i.e., dirt and condensation
- Real-time speed measurement plus absolute positioning due to the SinCos-and SSI-Output



Performance

Length of period:	1 mm
Measuring length:	4,000 mm
Magnetic strip length:	1.5 m
System part:	Magnetic tape

Mechanical data

Mass:	0.18 kg/m
Width:	10 mm
Tape Thickness (without cover strip):	1.4 mm
Coefficient of thermal expansion:	$11 \mu\text{m}/^\circ\text{C}/\text{m}$
Material:	17410 Hard ferrite 9/28 P
Material mounting tape:	Stainless steel

Ambient data

Working temperature range:	$-20^\circ\text{C} \dots 70^\circ\text{C}$
Maximum permitted ambient field strength:	$< 150 \text{ kA/m}$ ($< 190 \text{ mT}$) ¹⁾

Protection class standard:	IEC 60529
Air humidity:	100 % ²⁾
Storage temperature range:	-30 °C ... 80 °C, without package

¹⁾ To ensure that the magnetic tape is not permanently damaged ²⁾ Condensation allowed

Australia

Phone +61 3 9457 0600
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6801000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886-2-2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com