



KHT53-XXX01700

KH53

MAGNETIC LINEAR ENCODERS

SICK
Sensor Intelligence.



Illustration may differ

Ordering information

Type	Part no.
KHT53-XXX01700	1030085

Other models and accessories → www.sick.com/KH53

Detailed technical data

Performance

Measuring range	0 m ... 1,700 m
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Interfaces

Code type	Coded
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Mechanical data

Weight	+ 0.5 kg, per meter
Length of measuring element	1.9072 m (including distance)
Material, measuring elements	AlMgSi0,5F22
Description	≤ Measuring elements coded for measuring range up to 1,700 m

Ambient data

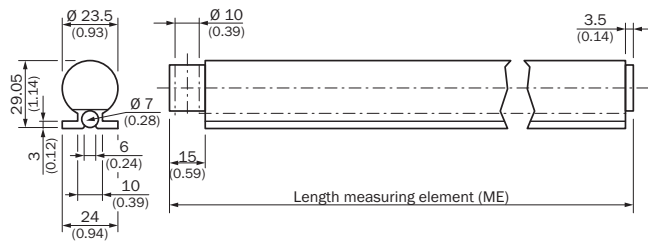
Resistance to shocks	50 g, 10 ms (DIN EN 61000-2-27)
Resistance to vibration	30 g, 20 Hz ... 250 Hz (DIN EN 61000-2-6)

Classifications

ECLASS 5.0	27270705
ECLASS 5.1.4	27270705
ECLASS 6.0	27270705
ECLASS 6.2	27270705
ECLASS 7.0	27270705
ECLASS 8.0	27270705
ECLASS 8.1	27270705
ECLASS 9.0	27270705
ECLASS 10.0	27270705
ECLASS 11.0	27270705
ECLASS 12.0	27274304
ETIM 5.0	EC002544
ETIM 6.0	EC002544
ETIM 7.0	EC002544
ETIM 8.0	EC002544
UNSPSC 16.0901	41111613

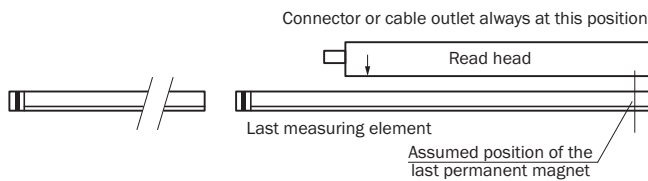
Dimensional drawing (Dimensions in mm (inch))

Measuring element

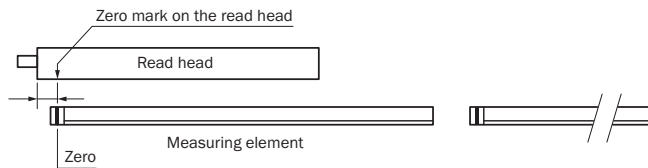


Position tolerance

End of measurement path



Start of measuring path



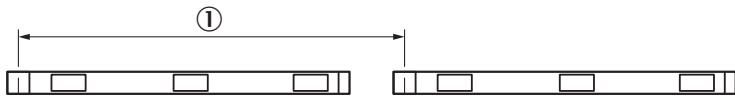
Assembly note

Montage Lesekopf + Maßverkörperung: Mindestabstand zu ferromagnetischen Materialien einhalten!

Read head + measuring element mounting: Observe the min. distance to ferromagnetic materials!

Only use non ferro-magnetic materials for the assembly base of the read head. A separation distance of 80 mm must be observed for ferro-magnetic materials (e.g., iron).

Length of measuring element



① Length of measuring element including distance

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com