

KHU53-XXX00548

KH53

LINEAR ENCODERS

SICK
Sensor Intelligence.



Illustration may differ

Ordering information

Type	Part no.
KHU53-XXX00548	1035452

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



Detailed technical data

Interfaces

Code type	Universal configurable
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Mechanical data

Weight	0.65 kg, per meter
Length of measuring element	See calculation example
Read head material	AlMgSi0,5F22

Ambient data

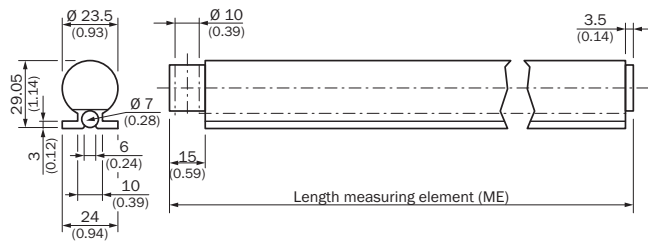
Resistance to shocks	50 g, 10 ms (DIN EN 61000-2-27)
Resistance to vibration	30 g, 20 Hz ... 250 Hz (DIN EN 61000-2-6)

Classifications

ECl@ss 5.0	27270705
ECl@ss 5.1.4	27270705
ECl@ss 6.0	27270705
ECl@ss 6.2	27270705
ECl@ss 7.0	27270705
ECl@ss 8.0	27270705
ECl@ss 8.1	27270705
ECl@ss 9.0	27270705
ECl@ss 10.0	27270705
ECl@ss 11.0	27270705
ETIM 5.0	EC002544
ETIM 6.0	EC002544
ETIM 7.0	EC002544
UNSPSC 16.0901	41111613

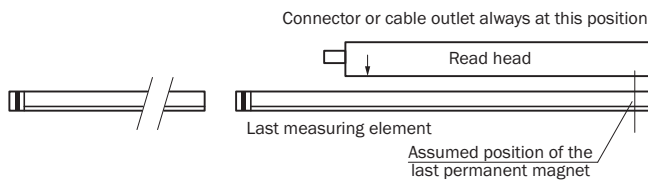
Dimensional drawing (Dimensions in mm (inch))

Measuring element

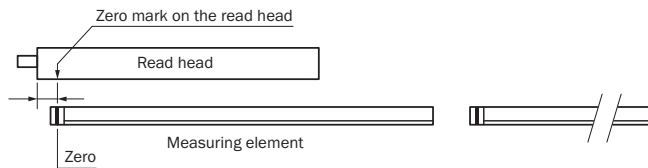


Position tolerance

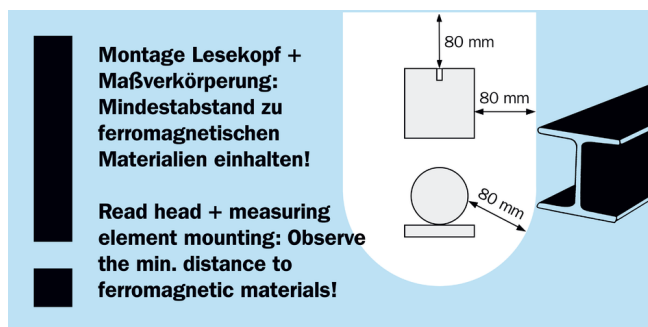
End of measurement path



Start of measuring path



Assembly note



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).

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