

LEB01

ABSOLUTE SHAFT COPYING SYSTEM



Boosting elevator accuracy and installation safety

Kuebler’s **Absolute Shaft Copying System** is a contactless linear measurement technology that advances the safety and accuracy requirements of the elevator industry while providing easy, safe and cost-effective installation. The system features a compact transmitted light sensor that mounts directly on the elevator car, as well as an easy-to-install encoded stainless-steel tape—ensuring permanent, slip-free positional measurement and accurate transport to desired floors.

Compact and robust. You can deploy our shaft copying system in tight installation spaces, as well as elevator retrofits, upgrades and new installations. It also resists vibration and dynamic rope effects, which can occur after continuous operation.

Easy, safe installation. Thanks to the included mounting set, installation takes only a few minutes. The encoded stainless-steel tape, which is led through the sensor housing, forgives scratches or kinks during installation and features rounded edges for safe handling.

Cost-effectiveness. The system mounts directly on the elevator car—eliminating the need for additional sensors and magnetic switches. Having less components reduces system costs, installation time and complexity.

TECHNICAL DATA

Dimension	135 x 45 x 33 mm
Speed	5 m/s
Measuring Length	392 m
Accuracy	1 mm
Interfaces	SSI CANopen Lift Other interfaces on request
Connection	Cable
Temperature Range	-5° to +70°C
Supply Voltage	10–30 VDC
Safety	SIL3-certified (LES05 safe variant) CE compliance EN81-20 and EN81-50

Your Benefits

- Simplified mounting
- Elimination of additional sensors
- Reduced installation time and costs
- Improved safety functions
- Reliable and long service life
- High availability—no referencing trip required after power outage
- Suitable for 99.9% of buildings worldwide



Order code Sensor

8.LEB01 . X 11 X
Type **a** **b**

a Interface

3 = CANopen LIFT (DS417)
4 = SSI

b Type of connection

1 = cable, 5 m [16.40'], 4-pin, shielded, open cable end (for CANopen)
3 = cable, 5 m [16.40'], 6-pin, shielded, open cable end (for SSI)

*Optional on request
- other interfaces*

*Stock type
8.LEB01.3111*

Order code Code tape, absolute

8.LEB.BA . XXXX
Type **a**

a Measuring lengths

XXXX = lengths in meters
lengths from 30 m available in 10 m steps, max. 392 = 0392
lengths < 30 m – only standard lengths or stock types can be ordered

Standard lengths

0010 = 10 m
0020 = 20 m
0030 = 30 m
0050 = 50 m
0070 = 70 m
0100 = 100 m

Stock types

0010 = 10 m
0015 = 15 m
0020 = 20 m
0025 = 25 m