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lika

Smart encoders & actuators

## Variety of shaft copy systems for lift industry

Lika Electronic offers a wide range of SC shaft copy systems for controlling the position of the elevator car. They are complete with mechanical components, pulleys, toothed belt or stretched cord, and a choice of incremental and absolute encoders to pick from (DSP 417 CANLift protocol encoders included).

- Complete line of shaft copy systems to fit individual applications
- Measurement length up to 150 m / max. speed 5 m/s
- With smooth-running toothed belt or stretched cord
- Can be paired with incremental and absolute encoders
- CANopen and DSP 417 CANLift protocol absolute encoders available

**SC Shaft Copy System** from Lika Electronic is a complete range of belt / cord measuring systems **designed to control the position of the elevator car** as well as **to measure the vertical ride of freight lifts, cranes, and automated storage systems**. It offers a complete "all-in-one" measuring system: all parts needed for installation are included and delivered pre-assembled.

Mechanical components include the main pulley, the idler pulley, and the toothed belt or stretched cord, according to the specific model or application. The measurement length can be **up to 150 m / 492.126 ft and the max. traveling speed can be 5 m/s**. Mechanical parts and belt are optimized to ensure a quiet and smooth ride, free from noise and vibrations. The belt / cord does not need any special maintenance and is designed for long operation life.

SC systems are available in both circumferential and guided belt versions. In the guided belt version, the pulley-encoder assembly is fixed directly to the lift car.

The main pulley **can be paired with either an incremental or an absolute encoder** to measure the movement of the lift car. The encoder shaft is mounted directly on the main pulley and is not affected by mechanical loadings. Among the encoder options, **I58S incremental** encoder is robust and versatile and offers a wide choice of resolutions and output circuits. **IQ58S is a fully programmable incremental** encoder and can fit perfectly almost any application. When the absolute position is required, **EM58S** offers proven reliability and 13+12 bit resolution through the SSI interface.

Or you can choose the **AM58S CANopen and CANopen Lift** absolute encoders: they comply with the DS 301 profile as well as with the specifications of DS 406 profile or of the CiA Draft Standard Proposal 417 - Application Profile for Lift Control Systems, version 1.0.1, July 15, 2003. They are ideal for Single Master-Single Slave networks without giving up the CAN benefits. The selection includes also **ATEX-certified** incremental and absolute encoders.

