

## Absolute singleturn encoders with resolution up to 25 bits

*HS58 series singleturn absolute rotary encoders are offered in a new high resolution version up to 25 bits. They are well suited for position and speed feedback on gearless and servo motors, automated surveillance systems, tracking and pointing technology systems.*

- High singleturn resolution up to 25 bits
- robust rotary design with solid and hollow shafts
- reliable optical technology
- SSI and BiSS interfaces with 2048 Sine-wave additional incremental track

If you need even more resolution to suit the requirements of your motion control applications, Lika Electronic offers a new evolution of well-known HS58 singleturn encoder series. This singleturn rotary encoder extends the range of the **resolution and is available in up to 25 bits** (33,554,432 cpr).

HS58 encoder is a conventional rotary device. It is built in a standard 58-mm flange diameter enclosure with both solid ( $\varnothing$  6, 8, 9.52, 10, 11, 12 mm) and hollow ( $\varnothing$  14, 15 mm) shafts. It is designed for typical industrial environments and provides IP67 protection rate (IP65 at shaft) as well as the ability to withstand temperature fluctuations between  $-25^{\circ}\text{C}$  and  $+85^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$   $+212^{\circ}\text{F}$ ).

HS58 bases on optical scanning technology and yields the absolute information via proven **SSI and BiSS C-mode interfaces**. An additional incremental track (2,048 1Vpp Sine-Cosine signals per turn) further allows for accurate speed control.

Both M12/M23 connector and cable output options are available.

HS58 encoder series is ideal for installation in a wide range of applications in standard industrial environments including for example gearless and servo motors, automated surveillance systems, tracking and pointing technology systems.



**BiSS**  
INTERFACE

**SSI**  
SYNCHRONOUS SERIAL INTERFACE