

# LV8 Encoder Interface Box

The advanced solution for all typical encoders

For optimized and flexible transducer integration the high-precision GE Encoder Interface Box is developed for direct data use within the LV8 control.

## Main features:

- **Enable connection of multiple encoder types**

Incremental	HTL / TTL, up to 400 kHz
Sin/cos	1Vpp, up to 400 kHz
Resolver	5/7Vpp, 8...24 kHz
SSI	binary / gray (RS485/RS422), up to 64 Bit
Incremental	Torque measurement

- **Outputs for customer use**

TTL from sin/cos-input or resolver input  
SSI 13bit from resolver or sin/cos or SSI input

- **1Gbit/s PIBlink SFP connection** (optical or copper) into LV8 control for optimized real-time speed calculation; integration in Fast Task
- **Configurable function** (HW, SW)

## Main benefits:

EMC sensitive data tracked directly at machine

- time-synchronous angle detection
- Resolver Excitation on board
- Cut-off frequency input range
- Optional stand-alone mode (for interface conversion)



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## General Technical Data:

Dimensions (B x H x T):	132 x 61 x 160 mm
Storage temperature:	-40°C ~ +100°C
Ambient operating temperature:	-20°C ~ 65°C
Humidity:	5 ~ 95%rH non-condensing
The protection class:	up to IP53 depending on installation
Supply Voltage:	10 V to 30 Vdc
Supply Current:	1 A

