



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**

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|---|
| 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)



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 |