



### Product information

#### INDUcoder EURO NO SHAFT ENCODER ES 401

Optical incremental encoder with hollow shaft

Resolution up to 3,600 pulses per revolution

Package diameter 38 mm –

installation dimension is only 27 mm

High temperature range up to 100° Celsius

In the product line EURO ENCODER INDUcoder offers the optical incremental encoder with hollow shaft – hollow shaft diameter 5 or 6 mm – with package diameter 38 mm. **Installation dimension of the encoder is only 27 mm.** This minimizes the required mounting space for the encoder.

But the EURO NO SHAFT ENCODER ES401 has further advantages:

Not only must the high resolution from **30 up to 3,600 pulses per revolution** be mentioned – which beats the resolution of common devices in the market with this installation dimension. Also its possible application in **high temperature range up to +100° Celsius** is remarkable.

ES401 is available with 3 or 6 channel output and the following combinations of supply voltages: 5 VDC, 4.5 – 13 VDC or 10.8 – 26 VDC. Output drivers can be selected from RS422 line driver, push-pull as well as open collector output with or without internal pull-up resistor. The standard cable has a length of 0.5 m. On customer's request longer cables can be assembled.

**Load of the ball bearings** of ES401 is **30 N in radial direction** and **10 N in axial direction.**

Therefore this no shaft encoder is suitable for narrow installation space.