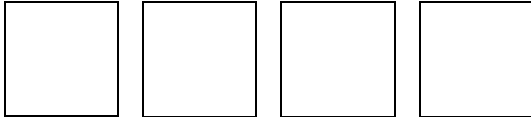


Incremental-Encoder IS-24

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D-78647 Trossingen
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Fax +49 - (0) 74 25 / 228 - 33
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Germany



- **Incremental Interface**
- **Type with blind shaft $\varnothing 3...6$ mm**
- **Number of pulses per revolution 1...2.500**
- **Small Compact Design**

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Electrical Data

Supply voltage.....	11...27 VDC
5 VDC, ± 5 %	on request
Current consumption without load	≤ 100 mA
Signal outputs	Square wave
Outputs (11-27 V level)	Push-Pull, short-circuit-proof
Output current	≤ 20 mA
Incremental signal, optional with inverting	K1, K2 phase-shifted 90° electrically
Zero-pulse, optional with inverting	K0, 1x per revolution, length 90° , 180° , 360° electrically
Output frequency	≤ 300 kHz
Outputs (5 V level)	Line driver
Output current	≤ 20 mA
Incremental signals, optional with inverting	K1, K2 phase-shifted 90° electrically
Zero-pulse, optional with inverting	K0, 1x per revolution, length 90° , 180° , 360° electrically
Output frequency	≤ 300 kHz

Environmental Data

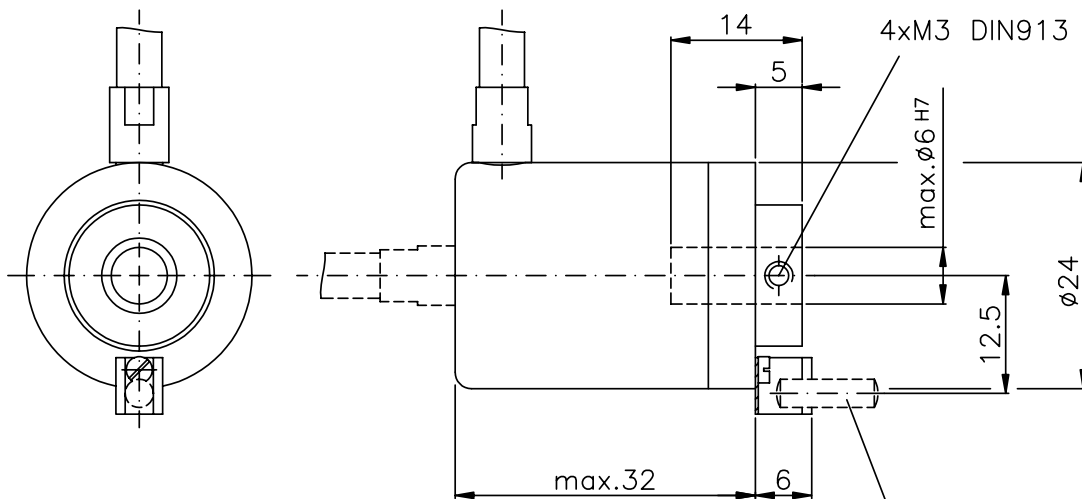
EMC	
- Immunity to disturbance, DIN EN 61000-6-2: 2006	
- Transient emissions, DIN EN 61000-6-3: 2007	
Working temperature.....	$0^\circ\text{C}...+80^\circ\text{C}$
Storage temperature	$-30^\circ\text{C}...+80^\circ\text{C}$, dry
Relative humidity, DIN EN 60068-3-4: 2002	98 %, non condensing
* Protection class, DIN EN 60529: 1991	IP 64 on shaft
* valid with screwed on mating connector and / or screwed together cable gland	

Mechanical Data

Mechanically permissible speed..... $\leq 10.000 \text{ min}^{-1}$
Shaft load Own mass
Mass approx. 0.04 kg
Vibration, DIN EN 60068-2-6: 1996..... $\leq 100 \text{ m/s}^2$, sine 20-2000 Hz
Shock, DIN EN 60068-2-27: 1995..... $\leq 1000 \text{ m/s}^2$, half-sine 11ms
Connection Cable outlet axial or radial, cable length on request

Dimension Drawing

(For project planning please request customized dimensional drawing !)



cylinder pin 3m6x10 included to avoid torque