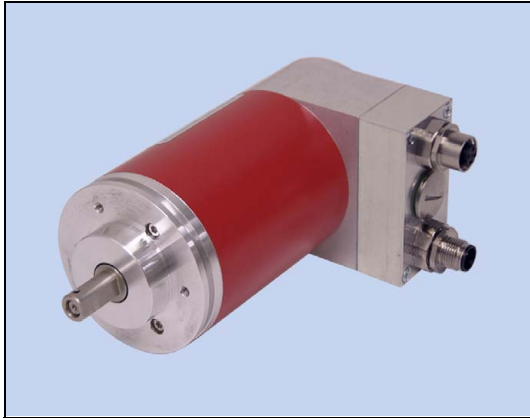
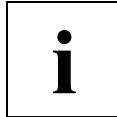
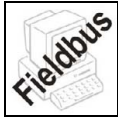


Absolute-Encoder CEV 65 S/M - EIP

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 D-78647 Trossingen
 Tel. +49 - (0) 74 25 / 228 - 0
 Fax +49 - (0) 74 25 / 228 - 33
<http://www.tr-electronic.de>
 Germany



- EtherNet/IP interface
- Type with solid shaft
- Modular product line
- Extensive parameter setting possibilities
- Special parameters upon request
- Further interfaces available
- Modular construction for mechanical customizations

5.A

Characteristics

Supply voltage.....	11...27 VDC
Current consumption without load	< 450 mA
Total resolution ¹⁾	Multi-Turn: ≤ 25 Bit, Single-Turn: ≤ 13 Bit
Number of steps/revolution ¹⁾	≤ 8.192
Number of revolutions, standard ¹⁾	Multi-Turn: ≤ 4.096, Single-Turn: 1
Number of revolutions, extended ¹⁾	Multi-Turn: ≤ 256.000, Single-Turn: 1
EtherNet/IP.....	IEC 61784-2, IEC 61158 and the following
- Physical Layer	EtherNet/IP 100Base-TX, Fast Ethernet, ISO/IEC 8802-3
- Output code	Binary
- Device profile.....	Encoder Device
- Transmission rate	100 MBit/s
- Transmission	CAT-5e cable, shielded (STP), ISO/IEC 11801
- Parameter ¹⁾	Scaling parameter, Counting direction, Preset value
Mechanically permissible speed	≤ 6.000 min ⁻¹
Shaft load, at the shaft end	≤ 40 N axial, ≤ 60 N radial
Bearing life time	≥ 3.9 * 10 ¹⁰ revolutions at
- Speed	≤ 3.000 min ⁻¹
- Operating temperature	≤ 60 °C
- Shaft load, at the shaft end.....	≤ 20 N axial, ≤ 30 N radial
Permissible angular acceleration	≤ 10 ⁴ rad/s ²
Moment of inertia	typically 2.5 * 10 ⁻⁶ kg m ²
Start-up torque at 20°C	typically 2 Ncm
Mass.....	typically 0.7 kg

¹⁾ programmable parameter

Environmental conditions

Vibration, DIN EN 60068-2-6: 1996..... $\leq 100 \text{ m/s}^2$, sine 50-2000 Hz
Shock, DIN EN 60068-2-27: 1995..... $\leq 1000 \text{ m/s}^2$, half-sine 11ms
EMC
- Transient emissions, DIN EN 61000-6-3: 2007
- Immunity to disturbance, DIN EN 61000-6-2: 2006
Working temperature..... $0 \text{ }^\circ\text{C} \dots +60 \text{ }^\circ\text{C}$, optional $-20 \text{ }^\circ\text{C} \dots +70 \text{ }^\circ\text{C}$
Storage temperature..... $-30 \text{ }^\circ\text{C} \dots +80 \text{ }^\circ\text{C}$, dry
Relative humidity, DIN EN 60068-3-4: 2002 98 %, non condensing
Protection class, DIN EN 60529: 1991 ²⁾..... IP 65

²⁾ valid with screwed on mating connector and / or screwed together cable gland

Dimension drawing

